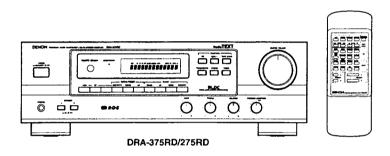
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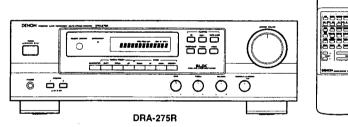
Hi-Fi AM-FM Stereo Receiver

# **SERVICE MANUAL**

# MODEL DRA-375RD MODEL DRA-275RD/275R

# **AM-FM STEREO RECEIVER**





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Some illustration using in this service manual is slightly different from the actual set.

# NIPPON COLUMBIA CO., LTD.

### SAFETY PRECAUTIONS



# **CAUTION**

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

### . FOR U.S.A. & CANADA MODEL ONLY

### CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS IPOLARIZEDI PLUG WITH AN EXTENSION CORD. RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

### . POUR LES MODELES AMERICAINS ET CANADIENS UNIQUEMENT

### ATTENTION

POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FI-CHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOU-

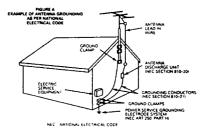
## SAFETY INSTRUCTIONS

- Read Instructions All the safety and operating instructions should be read before the appliance is operated.
- Retain Instructions The safety and operating instructions should be retained for future reference.
- Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.
- Follow Instructions All operating and use instructions should be followed.
- 5. Water and Moisture The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
- Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn



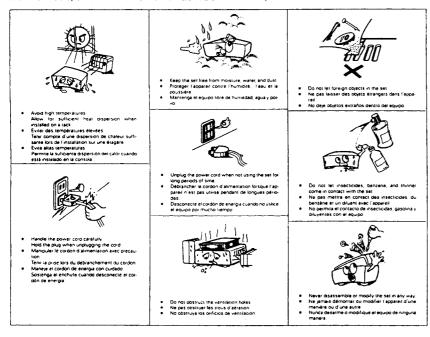
- Wall or Ceiling Mounting The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 8. Ventilation The appliance should be situated so that its location or position does not interfere with its proper ventilation for example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Power Sources The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- Grounding or Polarization Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

- 12 Power-Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning The appliance should be cleaned only as recommended by the manufacturer.
- Power Lines An outdoor antenna should be located away from power lines.
- 6. Outdoor Antenna Grounding If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes. See Figure A.
- Nonuse Periods The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- Object and Liquid Entry Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- Damage Requiring Service The appliance should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged; or
  - Objects have fallen, or liquid has been spilled into the appliance; or
  - C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - The appliance has been dropped, or the enclosure damaged.
- Servicing The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



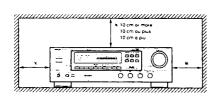
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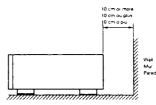
### NOTE ON USE/OBSERVATIONS RELATIVES A L'UTILISATION/NOTAS SOBRE EL USO



### PRECAUTIONS FOR INSTALLATION

- DRA-375RD/275R always install horizontally
- . For heat dispersal, leave at least 10 cm of space between the top, back and sides of this unit and the wall or other components. PRECAUTIONS D'INSTALLATION
- Le DRA-375RD/275R doit toujours être installé horizontalement.
- Afin de disperser la chaleur, faisser un espace d'au moins 10 cm entre le haut, l'arrière et les côtés de cet appareil et le mur ou un autre composant. PRECAUCIONES PARA LA INSTALACION
- Instale siempre el DRA-375RD/275R en posición horizontal.
- Para que el calor se disipe, deje por lo menos 10 cm de espacio entre las partes superior, posterior y laterales de esta unidad y la pared u otros componentes.





### ENGLISH

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### Veuillez contrôler que les articles suivants sont bien joints à l'appareil princi-

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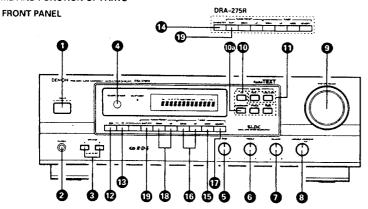
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(3)	Antena FM Interior							1
(4)	Unidad de control remoto RC-8	112						1
(5)	Pilac cocae RE (AA)							,

### NAME AND FUNCTION OF PARTS



POWER (Power - ON/STANDBY - OFF Switch)

This switch turns the unit ON or OFF. There is a delay of a few seconds before the unit will operate after this power switch is turned QN. If the u is turned OFF from the remote control, the unit will be in the STANDBY mode. When in the STANDBY mode, the unit can be turned ON with the power button on the remote control. If the unit will not be used for extended period, be sure to turn the unit OFF from the front panel power NOTE:

This unit includes a STANDBY protection feature. This feature is designed to prevent accidental turn-on from the STANDBY mode in the event of a power failure. Should AC power be disconnected and then reconnected when the unit is in STAND-BY mode, the unit will return to the STANDBY mode

To turn the unit ON from the STANDBY mode without the remote control, operate the front panel power switch twice. The unit will then operate normally

### PHONES (Headphones jack)

Connect the headphones to the PHONES jacks

When listening with headphones privately, set A. B. SPEAKER switches to the OFF position NOTE:

To prevent hearing loss, do not raise the volume level excessively when using headphones

### SPEAKER (Speaker selector switches)

These switches are used to engage speaker system A and B. No sound is heard through the speakers when both switches are set to the ( ...... ) position

### REMOTE SENSOR (Remote control sensor)

This sensor receives the infra-red light transmitted from the wireless re-

For remote control, point the wireless remote control unit towards the

### BASS (Bass control)

Use this control to adjust the low-range response

When the control is set to the center position, the frequency characteristic curve (below 1,000 Hz) is flat. Turn the control clockwise to increase the bass response and counterclockwise to decrease it

### TREBLE (Treble control)

Use this control to adjust the high-range response

When the control is set to the center position, the frequency characteristic curve (above 1,000 Hz) is flat. Turn the control clockwise to increase the treble response and counterclockwise to decrease it

### BALANCE (Balance control)

Use this control to balance the volume levels between left and right chan nels. The volume levels in both channels are equal when the control is set

### VARIABLE LOUDNESS (Loudness control)

At low volumes, the human ear is less sensitive to low (BASS) and high (TREBLE) frequencies. Use this control to compensate for this deliciency when listening at low volume levels. Turn this control counterclockwise until a natural balance of bass and treble sound has been restored

### MASTER VOLUME (Volume control)

This knob is used to adjust the volume level of both channels. Turn the knob clockwise to raise the volume and counterclockwise to low

### FUNCTION (Input selector buttons)

- These buttons are used to select the audio input source
- PHONO Press to play a record on a record player connected to the PHONO input jacks
- CD: Press to listen to a compact disc player or another compo
- nent connected to the CD input jacks.
- Press to listen to FM or AM programs.
- VIDEO Use when playing back the audio from a Hi-Fi video, video disc player or other component connected to the VIDEO
- If a function switch is pressed quickly, the function may not actually change and no signal may be heard from the speakers for an instant To avoid this, be sure to press function switches carefully

### BAND (Band selector button)

Press this button to select the FM or AM band, when the set is

### Tape selector (Tape selector/monitor buttons)

TAPE-1: Press this button once, TAPE-1 indicator will light up and then you can play tape source on TAPE-1 terminal. In this state you can copy TAPE-1 source to TAPE-2/VCR terminal TAPE-2/VCR: Press this button once, TAPE-2 indicator will light up and

then you can play tape or video source of TAPE-2/VCR terminal. Press again the button currently accessed, to play sources selected by input selector (1), indicator goes out.

### RDS button (DRA-375RD)

This button is used for the RDS search (refer to page 11) and PTY search (refer to page 11), and TP search (refer to page 11) operations, and to input the station name, frefer to page 12.)

### RT (Radio Text) button (DRA-375RD)

This button is used for displaying radio text messages When this button is pressed while the station currently tuned in is offering a radio text message service, the message scrolls on the display This mode turns on and off each time the button is pressed, trefer to page

- CHARACTER button (DRA-275R) This button is used to write station names, freler to page 12.)
- MODE (Tuning mode button)

This switches between auto and manual tuning

Auto tuning: When the UP button to is pressed, the radio is tuned automatically to a higher frequency. Press the DOWN button (b) to tune to a lower frequency. Use this position to eliminate noise when no signals or weak signals are being received.

Manual tuning: In this position, the radio can be tuned manually. Reception is automatically monaural when in the manual mode.

### TUNER (Tuning up / down buttons)

Use these to change the received frequency to a higher frequency (UP) or a lower frequency (DOWN)

When writing station names, use these buttons to select the latters, frefer to page 12 I

### MEMORY (Memory button)

This switch is used to store the desired radio station to a memory.

### · Presetting stations

After pressing the MEMORY button, press the SHIFT/PTY button (the SHIFT button for the DRA-275R), then select the memory block. A to E. Now use the PRESET UP and DOWN buttons to specify the preset channel number. Press the MEMORY button again to store the station at the specified preset channel

### TUNING PRESET (Preset station buttons)

These buttons are used for storing stations or recalling stations which have been preset. Using the SHIFT/PTY button (the SHIFT button for the DRA-275R) you can preset a total of 40 FM or AM stations into preset

Once a radio has been memorized the same station can later be tuned in instantly simply by recalling the corresponding preset channel with PRE SET UP or DOWN bullon

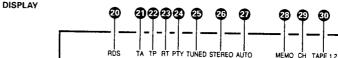
### SHIFT / PTY button (DRA-375RD)

Use this button to select the memory blocks, A (1 to 8), B (1 to 8), C (1 to 8), D (1 to 8) or E (1 to 8)

For PTY search, use this button to select the program type When writing station names, use this button to set the writing posi-

### SHIFT button (DRA-275R)

Use this button to select the memory blocks, A (1 to 8), B (1 to 8), C (1 to 8). D (1 to 8) or E (1 to 8)



RDS Indicator (DRA-375RD)

This lights when receiving RDS broadcasts, and flashes during the RDS

- TA (Traffic Announcement) indicator (DRA-375RD) This lights when receiving traffic announcements
- TP (Traffic Programme) indicator (DRA-375RD) This flashes during the TP search operation and lights when TP stations are tuned in
- RT indicator (DRA-375RD) This lights when the RT (Radio Text) button is pressed
- PTY indicator (DRA-375RD)
- This flashes during the PTY (Programme type) search operation
- TUNED indicator This lights when a station is properly tuned in

ing AM broadcasts

STEREO indicator This lights when receiving stereo broadcasts. It remains off when receivØ **AUTO Indicator** 

This indicates the tuning mode. It lights in the auto mode, and remains off

### MEMO indicator

This indicator flashes for approximately 10 seconds when the MEMORY button has been pressed and a station can be stored on a PRESET CHAN-NEL button

This flashes continuously during the auto memory operation

### CH indicator

This lights when the preset channel number and shift mode (A, B, C, D or

### TAPE-1/TAPE-2 indicator

The TAPE-1 indicator lights when the TAPE-1 source is selected with the tape selector buttons. The TAPE-2 indicator lights when the TAPE-2/VCR source is selected

### Multi function display

This displays the frequency, station name, programme type, etc.

### FM ANT (FM antenna terminals)

75-Ω/ohms coaxial cable can be connected to this terminal. For antenna connecting procedure, refer to page 9 and 10

### Ø AM ANT (AM antenna terminals)

Connect the attached AM loop antenna. (Refer to page 9 and 10 for con-

### GND (Grounding terminal)

The grounding wire of the turniable is connected here

 Hum or noise may be generated if the grounding wire is not connected

### PHONO (Phono input terminals)

The output cord of the turntable is connected here

Since the input sensitivity of "PHONO" is extremely high, do not use the unit without the input pin cord. If used without this cord, the speakers may generate hom.

- G CD
  - The output cord of the CD player is connected here
- O VIDEO

The audio outputs of VIDEO equipment, such as a VCR or Video Disc may be connected here

TAPE-1, TAPE-2/VCR (Tape deck and/or VCR playback / recording terminal)

Two tape decks or tape deck and VCR can be connected to these jacks for full-fledged playback, recording and tape dubbing operation.

0 SPEAKER SYSTEMS (Speaker terminals) Two pairs of speakers A and B can be connected to these terminals.

### AC OUTLET (AC power outlets)

This AC outlet is controlled by the power switch. Maximum capacity is

### AC CORD (Power cord)

Connect this cord into the wall outle

### **1** VIDEO (Video input/output terminals)

As a full-featured AV center, this receiver makes possible connection of a TV monitor VCR and/or a video disc player (Video) to these jacks

- ① Simulcast monitor
- Select the desired audio source after selecting VIDEO function. You can monitor the selected audio source with the picture from the VID-EO input
- 2 VCR monitor
- When the TAPE-2/VCR is selected, you can only monitor the sound and picture from the TAPE-2/VCR input. Even you select the audio source after selecting TAPE-2/VCR, the sound and picture remains TAPE-2/VCR.
- If you select the audio source after selecting VIDEO function, you can record the selected audio and picture from VIDEO input into VCR

### CAUTION

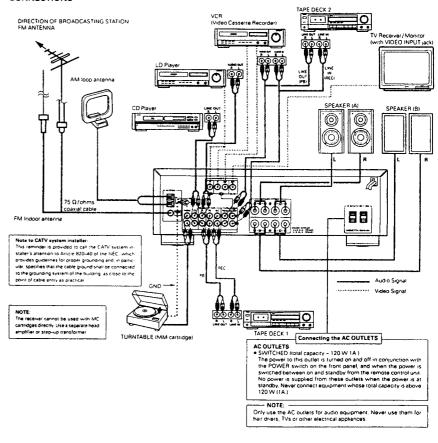
### Protective Circuit

This set is equipped with a high speed protective circuit. This circuit protects the internal circuitry from damage due to large currents flowing when the speaker jacks are not completely connected or when an output is generated by a short circuit.

This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again, After muting for several seconds, the set will operate normally.

- . This receiver has a full back-up system. When the power is turned on, the FUNCTION is set automatically to the last mode before the power was turned
- When using this receiver in close proximity to video equipment (TV, VCR, VDP, etc.), noise may be generated in AM broadcasts. To avoid this, keep the receiver as far away from other video components as possible, or place the AM loop antenna where noise is reduced. If the noise is not reduced, turn off the power of the video components when listening to AM broadcasts.

### CONNECTIONS



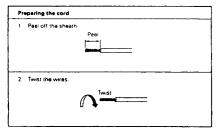
### Notes on Connection

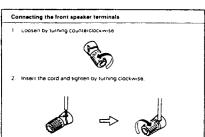
- Do not plug the power cord into the AC wall cutlet until all connections have been completed.
- Make sure channels are correctly connected. Connect Left channels to Left channels and Right channels to Right channels. Follow the color markings of plugs and terminals to make sure mistakes are not made
- Connect all pin-plugs securely, pushing them completely into the jacks. Incomplete connections will cause noise generation.
- Binding the connection cables to power cords, or running such cables close to power supply transformers will cause humming or noise, and should thus

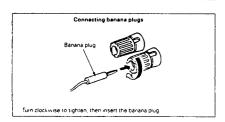
5

### SPEAKER CONNECTION

Confirm polarity (+, -) and left and right channels (L, B). Connect the speaker pairs to the SPEAKER terminals A or B on the back panel. Connections must be made with power cord disconnected







### Speaker Impedance

- When speaker systems A and B are use separately speakers with an impedance of from 6 to 16  $\Omega$ /ohms can be connected.
- . Be careful when using two pairs of speakers (A + B) at the same time, since use of speakers with an impedance outside the range of 12 to 16 Q / ohms will lead to damage
- . The protection circuit may operate or damage may occur when speakers with an impedance outside of the above range are used.

### ANTENNA INSTALLATION

### FM ANTENNA

The supplied indoor FM antenna can be used inside wooden houses for receiving local FM stations and other strong FM signals. Stretch out the ends of the antenna and mount the antenna on the wall or ceiling where optimum reception is achieved. A indoor FM antennas may not consistently ensure stable reception, due to environment changes. In such cases, the indoor FM antenna should only be used temporarily until an outdoor FM antenna has been installed

When connecting an outdoor FM antenna, the use of 75 Q/ohms coaxial cable (3C-2V, 5C-2V) is strongly recommended

Do not connect two FM antennas simultaneously

### AM LOOP ANTENNA

Tune in an AM station, listen to the sound, then install the antenna in a position as far from the set as possible in which distortion and noise are minimum. Good reception of AM stations is not possible if the loop antenna is not connected or if it is touching metal objects

### **USING THE VARIOUS FUNCTIONS**

### 1. Presetting stations in the memory

The frequency and the name of the radio station (including names which you have input yourself), are also stored in the memory. In particular, the various RDS functions can be used affectively when RDS sta-

tions are stored in the memory How to preset the memory.

Press the MEMORY button 1 . The "MEMO CH" indicator on the display flashes. Next, use SHIFT/PTY button (1) to select the memory block A. B. C. D or E. Now press the TUNING PRESET UP or DOWN button 18 to specify the preset channel number, and then press the MEMORY button 10 to store

The preset channel numbers for the different memory blocks are as follows

Memory block A	1 to 8
Memory block B	1 10 8
Memory block C	1 to 8
Memory block D	1 to 8
Memory block E	. 1 to 8

The DRA-275R does not have a SHIFT/PTY button. Use the SHIFT button.

### 2. Auto Memory (FM only)

The DRA-375RD/DRA-275R is equipped with an auto memory function. Connect the antenna, set it so that stations can be received, then hold in the MEMORY button and press the POWER button to turn the power on. Stations for which the auto tuning function operates are stored in the preset memory in the order A1 to A8, 81 to 88, and so on, through E8.

Channel A1 is tuned in after the auto memory operation is completed Using this function makes it possible to find out the overall reception conditions of the receivable stations. The memory can be used effectively by recailing the channels in the preset memory and replacing stations whose reception is poor with stations whose reception is good, using the procedure

### 3. Recalling preset stations

Use the SHIFT/PTY button (1) to select memory block A, B, C, D or E, then press the TUNING PRESET UP or DOWN button (1) to recall the station

If the TUNING PRESET UP or DOWN buttons are pressed without pressing the SHIFT/PTY button (B), the stations are recalled in the order A1 to A8, 81 to B8, and so on, through E8

The DRA-275R does not have a SHIFT/PTY button. Use the SHIFT button (I) instead

### 4. RDS search (for FM only) (DRA-375RD only)

Use this function to automatically tune to stations offering Radio Data Service. This operation is also possible by pressing the TUNER button on the remote control unit once when the function is set to the TUNER mode.

	Operation	Display
1.	Press the RDS button @ once.	RDS SEARCH
2.	Pless the TUNING PRESET UP of DOWN button (1)	"RDS SEARCH" flashes on this display. IPreset memory channels At to EB are being searched.) If no RDS station is found with his above operation, all the reception bands are searched. The station name is displayed when the RDS station is funed.

3. Press the TUNER UP or DOWN button (D) again while the RDS mark is flashing.

(if no other RDS station is found when all the frequencies are searched, "NO RDS\* is displayed.)

RDS search starts again

### 5. PTV search (for FM only) (DRA-375RD only)

Use this function to find stations broadcasting a designated type of programme type (PTY)

This operation is also possible by pressing the TUNER button on the remote control unit twice when the function is set to the TUNER mode. Next, press the PANEL button on the remote control unit, select the PTY category, then press the TUNING PRESET UP or DOWN buttons to start the PTY search function in the specified direction

Operation	Display
Press the RDS button  twice.	PTY SEARCH
2 Press the SHIFT/PTY button	Programme type or PTY. Designated programme type
(Always do this to designate the prog	ramme type if "PTY" is displayed in step
3. Press the TUNING PRESET UP or OOWN builton <b>⊕</b>	"PTY SEARCH" flashes on the display. (Preset memory channels A1 to E8 are being searched!) If there is no station broadcasting the designated programme type with the above operation, all there ception bands are searched. The station name is displayed after searching stops.
Press the TUNING PRESET UP or OOWN button again while the PTY mark is flashing.	PTY search starts again

Iff no other station broadcasting the designated programme type is found when all the frequencies are searched, "NO PROGRAMME" is displayed.)

The programme types which can be displayed are listed on page 12.

### 6. TP search (for FM only) (DRA-375RD only)

This function is used to find stations scheduled to broadcast traffic programmes ITP stations). This operation is also possible by pressing the TUNER button on the remote control unit three times when the function is set to the TUNER mode.

Operation	Display
Press the RDS button   I times.  The Press the TUNING PRESET UP or DOWN button   Output ton   Ou	Usplay  IP SEARCH  TP SEARCH 'flashes on the display  Preset memory channels A1 to E8 are being searched ) If no IP station is found with the above operation, all the "reception bands are searched." The station name is displayed after

3 Press the TUNING PRESETTIE or DOWN button again while the TP mark is flashing.

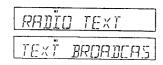
III no other TP station is found when all the frequencies are searched. "NO PROGRAMME" is displayed.)

searching stops.

TP search starts again.

### 7. RT (Radio Text) (for FM only) (DRA-375RD only)

When the RT button (1) is pressed while the station currently tuned in is offering a radio text message service, the message scrolls on the display. (The RT indicator lights when the RT button is pressed.)



("NO TEXT DATA" is displayed if no radio text message is being broadcast ).

SOFT

NOSTRLGIR

CLASSICAL

SOFT R+B

LANGUAGE

REL

PUBLIU

MUSIC

TALK

PERSONALITY

You can write in station names yourself (Up to 8 characters) (Refer to the table of characters on page 12)

Operation 1 Press the RDS button 4 times.

Display First space flashes.

2 Use the TUNER UP and DOWN buttons (B) to select the desired characters 3 Use the SHIFT/PTY button (1)

frefer to page 7.)

8. Writing station names

Specified place flashes

- to move to the next place 4 After writing the entire station name, store it in the memory
- The DRA-275R does not have an RDS button. Use the CHARACTER button the DRA-275R does not have a SHIFT/PTY button. Use the SHIFT button

Each operation should be completed while the specified place is flashing

NOTE: This unit may not identify RDS stations as such if the paging station provides multiple RDS data. Tuning may not stop at such stations during the RDS search and PTY search operations.

### **RDS Emergency Alert**

NEWS

SPORTS

CLS ROCK

RBULT HITS

SOFT ROCK

TDP 40

COUNTRY

OL DIES

TRUK

ROCK

INFORMATION

"ALERT" will flash on the display when the unit receives the Emergency Programme Type Code (PTY31) from an RDS station

This feature may not operate properly if the signal from the RDS station is too. weak or is subjected to interference It is not possible to select the "ALERT" display from the PTY search mode

\* The following programme types (PTY) can be designated

- 9. Clearing station names
- Recall the station name you want to clear
- Press the RDS button 4 times until the character at the first place flashes.
- Then press the SHIFT/PTY button for at least 2 seconds. The current sta-
- \* The DRA-275R does not have an ROS button. Use the CHARACTER button
- The DRA-275R does not have a SHIFT/PTY button. Use the SHIFT button.

Station names MUST be stored in a preset memory to be retained. If the power is turned off, or if the band (AM/FM) is changed, the station name will be fost. Be sure to store the entered station name in a Present Memory before changing the band or turning the power switch OFF

### **RDS Emergency Alert Feature**

The RDS Emergency Alert Feature is activated by a signal sent at the sole discretion of the ROS broadcaster. The RDS Emergency Alert Feature is included in this product for the convenience of the consumer, and is not intended to augment or replace the Official Emergency Broadcast Systern as administered by the Federal Communications Commission. For this reason, Nippon Columbia Co. and it's Subsidiaries, including but not limited to DENON America, Inc. and DENON Canada, Inc., refuse all Warranties, claims of merchantability or fitness, or liabilities, whether incidental, consequential or otherwise, related to, either directly or indirectly, the operation or lack of operation of this feature. This exclusion applies to any and/or all Nippon Columbia Co. Products, whether present or future, that implement, in any form or variation, the RDS Emergency Alen Feature

Sof

Jazz

Nostalpia

Classical

Soft R & B

Language

Religious Music

Religious Talk

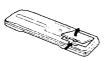
Personably

RAA

### PLAYBACK USING THE REMOTE CONTROL

The accessory RC-812 remote control unit is used to control the RECEIVER from a distance

### (1) Inserting the dry cell batteries



2 Insert two size "AA" (R6) dry cell batteries as shown in the diagram on



3 Close the rear cover



### Notes on Use of the Batteries

- The remote control unit uses size "AA" (R6) dry cell batteries.
- . The batteries will need to be replaced approximately once a year. This will depend upon how often the remote control is used.
- . If, in less than a year from the time new batteries were inserted, the remote control fails to operate the receiver from a near-by position, it is time to replace the batteries.
- . Insert the batteries properly, following the diagram on the remote control battery supply unit, and making sure to align the plus and minus sides of each battery
- · Batteries are prone to damage and leakage. Therefore
- . Do not combine new batteries with used ones.
- Do not combine different types of batteries.
- . Do not immoer the opposite poles of the batteries, expose them to heat or break them open, or out them into open fire
- . When the ramote control is not to be used for a long period of time, ramove the batteries from the unit.
- · If the batteries have leaked, remove any battery fluid from the inside of the battery supply unit by wiping it out thoroughly, and insert new batteries





- Operate the remote control unit while pointing it towards the remote control sensor on the receiver as shown in the diagram left.
- The remote control unit can be used at distances up to about 7 meters/20 feet in a straight line from the receiver. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the remote control unit is not directed straight at the receiver.

### Note on Operation

- Do not press the operating buttons on the receiver and the remote control unit at the same time. This will cause misoperation
- Operation of the remote control unit will become less effective or erratic if the infrared remote control sensor on the receiver is exposed to strong light or if there are obstructions between the remote control unit and the sensor
- In case you operate your VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation

Table of characters

The characters are input in the order shown to the right. Use the TUNER UP/DOWN buttons (6) to select the desired characters

→RBCBEFSHIJKLMNOPDRSTUVWXYZ---0 123458789( \ )-% / (: \*+, -, /<sub>3</sub> space-

Classic Rock

Adult Hits

Soft Rock

Country

DRA-375RD/275RD/275R

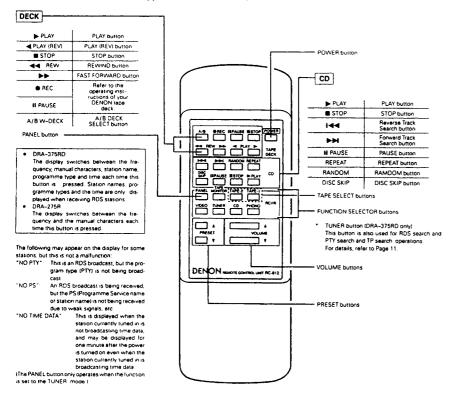
# Besides being able to operate the DRA-375RD/275R receiver with this remote control unit, you can also operate a DENON cassette deck and CD player from this handy full-system remote control unit.

Remote Control Section

Full-system Remote Control Linux

The full-system remote control unit operates all major functions of the receiver such as function switching, volume control, and preset station selection. But that's not all. The same control pad can also control the major functions of a DENON CD player and cassette deck to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted sudophile expects.

### Remote Control Unit RC-812 supplied with DRA-375RD/275R



- The RC-812 Remote Control Unit can control CD players and cassette decks made by DENON
- Note that operation may not be possible for some models
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are RECEIVER, CD and DECK.

For details on operating other components, refer to the instruction manuals for the CD player and/or cassette deck

### CAUTION:

- If the power is turned off with the remote control unit, the receiver is switched to the power stand-by state. If you are to be absent for a long period of time, be sure
  to turn the power off using the POWER switch on the receiver.
- A part of 1st digit of fluorescent display light while the receiver is in the power stand-by state.
- You may experience erratic operation of the remote control unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the remote control sensor on the receiver. However, this is not a malfunction, and if this should happen, protect the sensor against such light.

### **TROUBLESHOOTING**

- 1. Have all connections been made PROPERLY?
- . Have you followed all operational instructions correctly?
- 3. Are the speakers, turntable, and other components operating properly?

When your unit does not seem to be operating correctly, first check the items in the following table: If the symptom does not correspond to any of the problems as shown below, turn off the power sources immediately and contact your DENON dealer.

Problem	Cause	Remedy
FM AND AM RECEPTION		
Radio program can not be received.	Antenna connection is wrong.     A signal strength is weak.	Check the connection     Check the antenna installation.
Noise is reproduced.	A signal strength is week     Automobile ignition noise interferes with reception     Other electrical equipment interferes with reception	Install an outdoor antenna     Keep the antenna away from the street:     Keep the adupment away from this set, or turn off the power of the other equipment.
The preset frequencies are erased.	The memory back-up term labout 1 month) passed.	Preset again
In automatic tuning, the frequency doesn't stop at the radio station	A signal strength is weak.	Use manual tuning.
In automatic tuning, it stops at the one step lower or higher frequency than the radio station.	Noise or strong signal strength is received.	Use manual tuning for optimum reception
PLAYBACK OF THE AUDIO EQUIPMENTS		
No sound is produced with power on.	Input and speaker cords connection are wrong. Speaker switch is off The FUNCTION buttons are in wrong position The protective circuit is operating The fuse has blown out.  The power switch was set to OFF the last time the power was turned off from the remote control unit.	Check the connection.  Turn on speaker switch Check these position Turn the power off once, check the connections to the speakers, then turn the power on again Ask your dealer, or the nearest DENON representative. Set the power switch to ON, then turn the power on from the remote control unit. Or, push the power switch on the front penel twice.
Audible hum when playing records	The input and grounding cords connection of the turntable are wrong. The cords connection of the cartridge are wrong. The interference from the nearby TV or radio transmission antenna.	Check the connection Check the connection Ask your dealer, or the nearest DENON representative
Howling is produced when the volume control is turned up too high while playing records	The vibrations and sounds transmit from the speakers to the turntable.	Insulate the vibrations, or keep the speakers away from the turntable
Cracking noise is produced when playing re- cords.	The record is stained with the dust The stylus tip of the cartridge is stained with the dust The cartridge is defective.	Clean the record. Clean the stylus tip Try the other cartridge.

# **SPECIFICATIONS**

**AMPLIFIER SECTION** 

Continuous Power Output: DRA-375RD: 60 watts per channel minimum

RMS, both channels driven at 8 Ω/ohms from 20 Hz ~ 20 kHz no more than 0.05% total har-

monic distortion.

DRA-275R: 40 watts per channel minimum RMS, both channels driven at 8  $\Omega$ /ohms from 20 Hz - 20 kHz no more than 0.05% total har-

monic distortion.

Power Bandwidth (IHF):

10 Hz ~ 40 kHz (T.H.D. 0.15% both channels

driven into 8 \(\Omega/\text{ohms}\)

**Total Harmonic Distortion:** 

Frequency Response:

0.03% (-3 dB at rated output, 8  $\Omega$ /ohms) PHONO RIAA Standard Curve (Recording

Output)

ММ

20 Hz ~ 20 kHz ± 0.5 dB 20 Hz ~ 50 kHz ± 1.5 dB

CD, VIDEO, TAPE-1. TAPE-2/VCR

(at 1W)

Input Sensitivity and

Impedance:

PHONO MM CD, VIDEO,

2.5 mV 47 kΩ/k ohms 150 mV 47 kΩ/k ohms

180 mV

TAPE-1, TAPE-2/VCR

Maximum Input Level (at 1 kHz)

Signal to Noise Ratio (IHF-A):

PHONO MM

78 dB (at 5.0 mV input) PHONO MM

CD, VIDEO, 95 dB TAPE-1, TAPE-2/VCR

Tone Controls:

BASS TREBLE

± 10 dB at 100 Hz  $\pm$  10 dB at 10 kHz

Loudness, Control Effect:

VARIABLE LOUDNESS

 $50 \, Hz / 10 \, kHz$ ,  $+ 10 \, dB / + 5 \, dB$ 

**VIDEO SECTION** 

Input terminal:

Output terminal:

VCR-IN, VIDEO 1 Vp-p/75 Ω/ohms VCR-OUT, MONITOR 1 Vp-p/75 Ω/ohms

5 Hz ~ 6 MHz ± 1.5 dB Frequency response:

**TUNER SECTION** 

**[FM]** (note:  $\mu$ V at 75  $\Omega$ /ohms, 0 dBf = 1  $\times$  10<sup>-15</sup> W)

Receiving Range: Usable Sensitivity:

87.50 ~ 108.00 MHz 0.9 µV (10.3 dBf) 50 dB Quieting Sensitivity: MONO 1.6 μV (15.3 dBf) STEREO 23 µV (38.5 dBf)

Signal to Noise Ratio

(IHF-A):

MONO 82 dB STEREO 78 dB

**Total Harmonic Distortion** 

(at 1 kHz):

MONO 0.1% **STEREO 0.15%** 

Canture Ratio Image Rejection: AM Suppression: 1.5 dB 42 dB 50 dB

Selectivity ( ± 400 kHz): 55 dB 30 Hz - 15 kHz 102 dB

Frequency Response: Stereo Separation

(at 1 kHz):

40 dB

[MA]

520 ~ 1710 kHz Receiving Range: 18 uV

Usable Sensitivity: Signal to Noise Ratio:

55 dB

**GENERAL** 

Weight:

Power Supply: **Power Consumption:**  AC 120V 60 Hz 2.6 A (DRA-375RD) 2.3 A (DRA-275R)

Dimensions:

434 mm (17-3/32")W x 142 mm (5-19/32")H x 315 mm (12-25/64")D (DRA-375RD) 434 mm (17-3/32")W × 142 mm (5-19/32")H × 315 mm (12-25/64")D (DRA-275R)

6.6 kg (14 lbs 9 oz) (DRA-375RD)

5.8 kg (12 lbs 13 oz) (DRA-275R)

REMOTE CONTROL UNIT

Remote control system:

Power supply:

Infrared pulse system

3V DC Two size "AA" (R6)

dry cell batteries

RC-812

**External dimensions:** 

60 mm (2-23/64")W × 175 mm (6-57/64")H

× 18 mm (45/64")D

Weight: 120 g (4 oz) (Includes batteries)

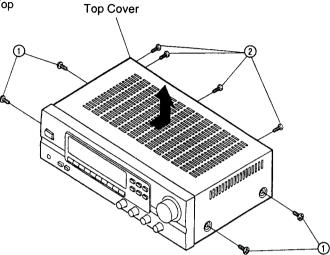
Design and specifications are subject to change without prior notice.

# **DISASSEMBLY**

(To reassemble reverse disassembly)

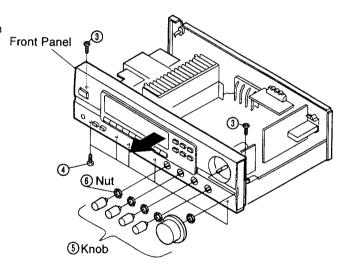
# Top Cover

Remove 4 screws ① and 4 screws ② then detach the Top Cover as shown in the figure.



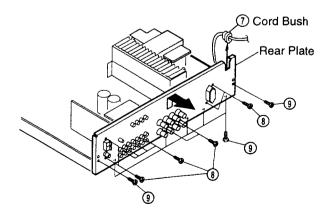
# Front Panel

- 1) Remove 2 screws 3 and 5 screws 4.
- 2) Pull out 5 knobs (5) and unfasten 5 nuts (8), and detach the Front Panel as shown in the arrow direction.



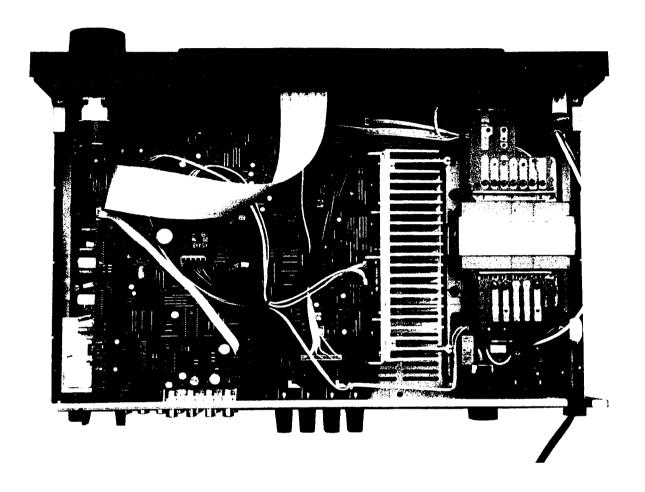
# Rear Panel

- 1) Pull out the cord bush ①. as shown in the arrow direction.
- 2) Remove 10 screws (3) and 7 screws (3), then detach the Real Panel in the arrow direction.

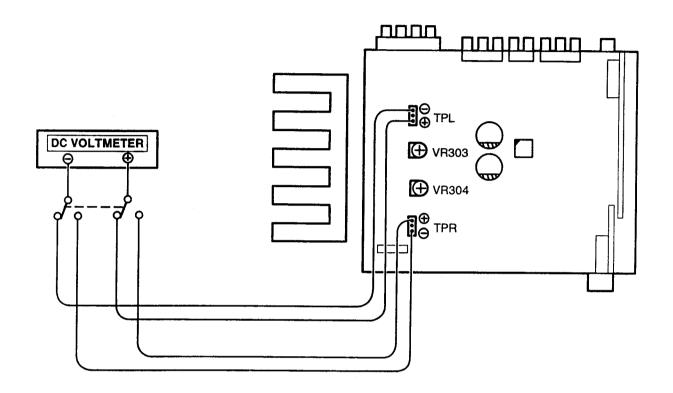


# **WIRE ARRANGEMENT**

In case of wires require unclasping or loosening to move the location to perform adjustment or part replacement, be sure to rearrange them neatly to restore properly in the same location as they were originally placed, or causing to produce a noise may occasionally occur.



# **METHOD OF ADJUSTMENTS**



# **IDLING CURRENT**

(1) Set controls as follows.

POWER Switch  $\rightarrow$  off ( $\blacksquare$ ) **VOLUME Control**  $\rightarrow$  0 (min)  $\rightarrow$  off ( $\blacksquare$ ) **SPEAKERS** 

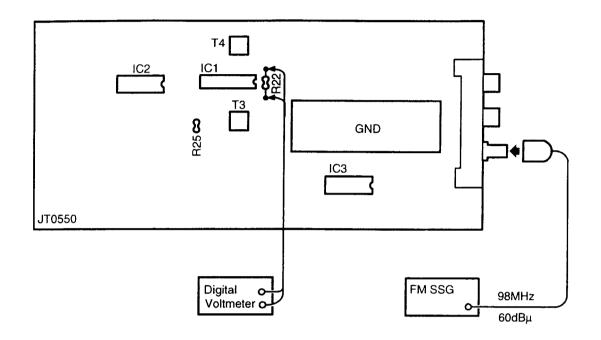
→ 15°C ~ 30°C (59°F ~ 86°F) → min. (♠) Temperature

VR303 and VR304

- (2) Connect DC Voltmeter to the TPL (Lch) and TPR (Rch).
- (3) Turn the Power Switch on and rotate VR303 clockwise so that the DC Voltmeter reads 3 mV ±0.5 mV DC at the TPL. Follow the same procedure to VR304 for TPR.

# **CONNECTION DIAGRAM OF MEASURING INSTRUMENTS**

# FM SECTION



Adjust T4 potential difference across R22 should be within 30mV.

## Initiating (Memory clearing) Method

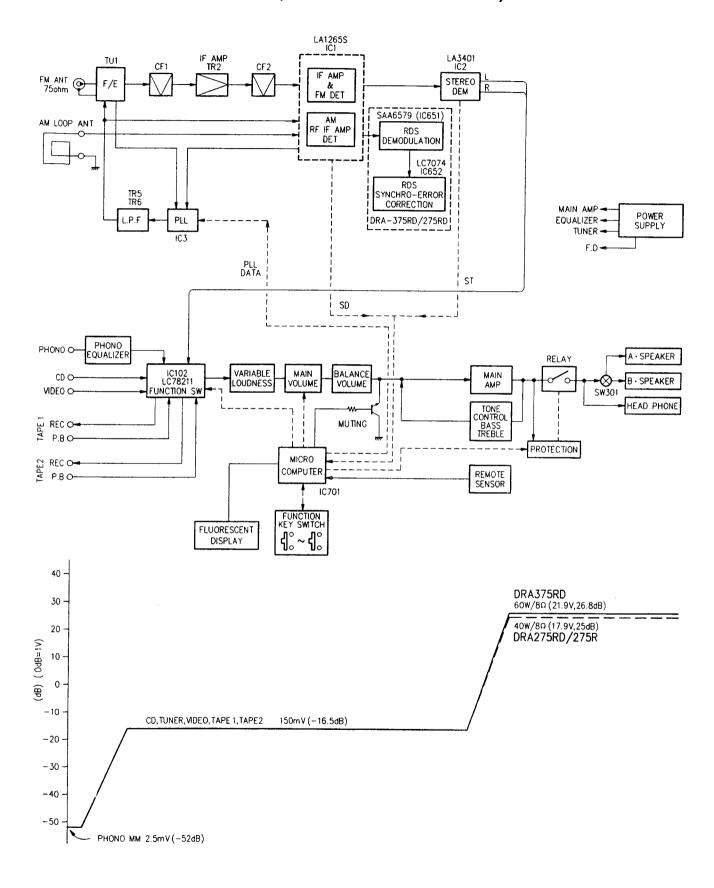
To clear memory contents of microcomputer and restore to the initial state, take the following steps;

- (1) Press power switch, turn off power of the unit.
- (2) Disconnect AC power cord from wall outlet temporarily.
- (3) Insert power cord into outlet while simultaneously pressing two keys of TUNER and VIDEO SELECT.
- (4) Press power switch to confirm that memory contents are cleared.

By completion of the above, the initial state is restored. In case the memory can not be cleared due to some reasons, repeat steps 1 through 3.

Note: If the Power does not turn on and nothing is displayed except STAND-BY LED even after the above item #4 is performed, the unit may be stay remained in the STAND-BY Mode. In such a case, please refer to the Operating Manual, item "POWER" of the "NAME AND FUNCTION OF PARTS" for details.

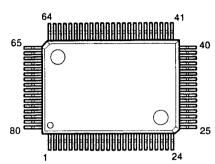
# BLOCK/LEVEL DIAGRAM (DRA-375RD/275RD/275R)

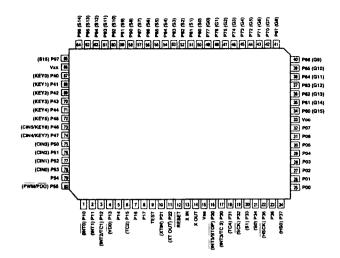


# **SEMICONDUCTORS**

# ● IC's

# TMP87CM71F (IC701)



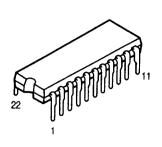


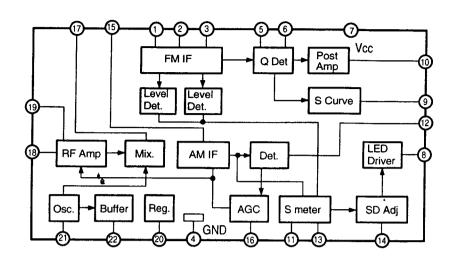
# TMP87CM71F Port Allocation Table

	P8/CIVI							
Pin No.	Symbol	1/0	Logic	Initia: Setting	Function			
1	STOP	1	L		Power down detection (*L* = at power down).			
2	MUTE (A)	1		-	MUTE (A) output ("H" = MUTE)			
3	RDS	1	Serial		RDS data (start) input.			
4	RES	0	L	Н	LC7074 reset output.			
5	GND	1	Serial		Not used.			
6	FCK	0	Serial	L	Function control output (LC7821) for F-CK.			
7	FDA	0	Serial	L	Function control output (LC7821) for F-DATA.			
8	F STB	0	н	L	Function control output (LC7821) for F-STB.			
9	GND	1		_	Connect to GND.			
10	SD	J	L		Tuned signal input ("L" = at tuned in).			
11	GND	1			Not used.			
12	RESET	1	L		Reset input.			
13	XIN	1	-	-	Oscillation circuit (4MHz).			
14	XOUT	0	_	_	Oscillation circuit (4MHz).			
15	Vss	PW	_	_	GND			
16	GND	ı		_	GND			
17	REM	1	L	_	Remote control signal input.			
18	ST	ı	L	_	Stereo signal input ("L" = at stereo).			
19	RCK	1	Serial	_	RDS data (clock) input.			
20	RDA	1	Serial	_	RDS data (data) input.			
21	GND	1	_	_	Not used.			
22	PCK	0	Serial	L	LM7001 control output for PLL-CK (CL).			
23	PDA	0	Serial	L	LM7001 control output for PLL-DATA (DATA).			
24	PSTB	0	π	L	LM7001 control output for PLL-STB (CE).			
25	GND	0	_	L	GND			
26	GND	0	1	L	GND			
27	A/M	0	L	L	AUTO/MANUAL control.			
28	GND	ł			Not used.			
29	P O/F	0	н	L	Power control output ("H" = ON).			
30	VR-UP	0	н	L	Power volume control output (LB1639 ON = at "H").			
31	VR-D	0	Н	L	Power volume control output (LB1639 ON = at "H").			
32	SP-R	0	н	L.	Speaker relay control output (ON = at "H").			
33	VDD	PW	_	_	+5V			
34	GND	1			GND			
35	GND	1	_	_	GND			
36	1G	0		_	FL tube control output for 1G.			
37	2G	0	_		FL tube control output for 2G.			
38	3G	0		_	Fi. tube control output for 3G.			
39	4G	0			FL tube control output for 4G.			

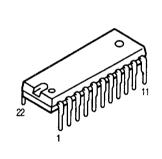
Pin No.	Symbol	1/0	Logic	Initial Setting	Function
40	5G	0	_		FL tube control output for 5G.
41	6G	0	_		FL Tube control output for 6G.
42	7G	0	_		FL Tube control output for 7G.
43	8G	0	_	_	FL Tube control output for 8G.
44	9G	0	_	_	FL Tube control output for 9G.
45	10G	0		_	FL Tube control output for 10G.
46	11G	0	_	_	FL Tube control output for 11G.
47	12G	0	_	_	FL Tube control output for 12G.
48	13G	0	_	_	FL Tube control output for 13G.
49	14G	0		_	FL Tube control output for 14G.
50	S0 (a)	0	_	_	FL Tube control output for P(a).
51	S1 (b)	0	-	_	FL Tube control output for P(b).
52	S2 (c)	0	_	_	FL Tube control output for P(c).
53	S3 (d)	0	_	_	FL Tube control output for P(d).
54	S4 (e)	0	_	_	FL Tube control output for P(e).
55	S5 (f)	0	-	_	FL Tube control output for P(f).
56	S6 (g)	0	_	_	FL Tube control output for P(g).
57	S7 (h)	0			FL Tube control output for P(h).
58	S8 (j)	0		-	FL Tube control output for P(j).
59	S9 (k)	0	_	_	FL Tube control output for P(k).
60	S10 (m)	0	_	_	FL Tube control output for P(m).
61	S11 (n)	0	_	_	FL Tube control output for p(n).
62	S12 (p)	0	_	-	FL Tube control output for P(p).
63	S13 (q)	0	_	_	FL Tube control output for P(q).
64	S14 (r)	0	_	-	FL Tube control output for P(r).
65	S15 (s)	0		_	FL Tube control output for P(s).
66	Vkk	PW	_	_	-15V
67					
₹	GND	1		-	GND
70					
71	VA	0	L	н	Video In/Out control ("L" = at selection) BV4066.
72	VB	0	L	н	Video In/Out control ("L" = at selection) BV4066.
73	K1	1	_	_	Key input (A/D conversion input).
74	K2	ı	_	_	Key input (A/D conversion input).
75	КЗ	1	_	-	Key input (A/D conversion input).
76	K4	1		_	Key input (A/D conversion input).
77	VER	1		_	Forwarding country setting.
78	VER	-		_	Specification setting.
79	MUTE (T)	0	н	Н	MUTE output ("H" = MUTE).
80	GND	1			GND

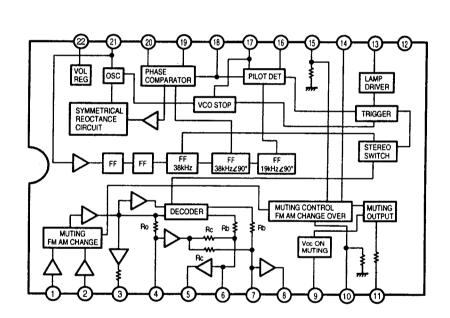
LA1265 (S) (IC001)





# LA3401 (IC002)

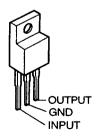




# LM7001 (IC003)

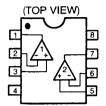
хоит 🗓 16 Vss XIN 2 15 PD2 CE 3 14 PD1 13 VD02 CL 4 DATA 5 12 V<sub>DO</sub>1 SYC 6 11 FM IN BO 1 🗾 10 AM IN 9 BO 3 BO 2 8

KIA7812PI (IC004) KIA7806PI (IC401)



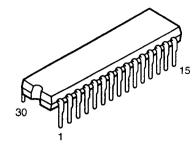
# **BA4558 (IC101)**

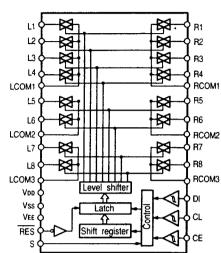




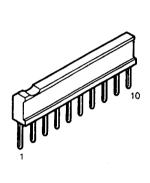
1: A Output 2: A -Input 3: A +Input 4: V -5: B +Input 6: B -Input 7: B Output 8: V +

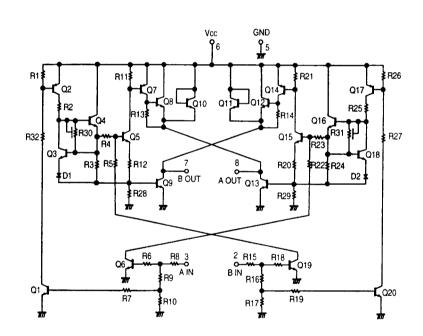
# LA78211 (IC102)





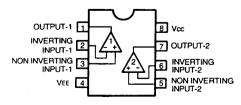
**BA6208S (IC201)** 



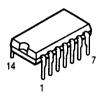


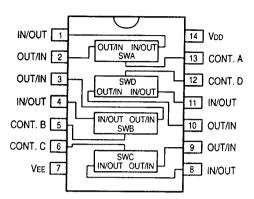
# BA15218 (IC301)



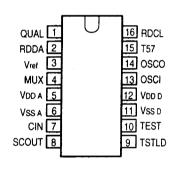


# BU4066BC (IC601)





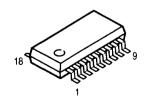
# SAA6579T (IC651)

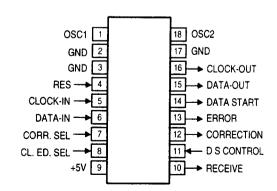


# **SAA6579T Terminal Function**

Pin No.	Symbol	Function
1	QUAL	Quality indication output.
2	RDDA	RDS data output.
3	Vref	Reference voltage output (0.5 VDD A).
4	MUX	Multiplex signal input.
5	VDD A	+5V power supply for analog part.
6	Vss a	Ground for analog part (0V).
7	CIN	Subcarrier input to comparator.
8	SCOUT	Subcarrier ouput of reconstruction filter.
9	TSTLD	Test control.
10	TEST	Test enable input.
11	Vss d	Ground for digital part (0V).
12	<b>V</b> DD D	+5V power supply for digital part.
13	OSCI	Oscillator input.
14	osco	Oscillator output.
15	T57	57kHz clock signal output.
16	RDCL	RDS clock output.

# LC7074M (IC652)



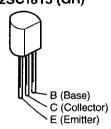


# TRANSISTORS

2SA988 (E/F) 2SC945P 2SC1815 (Y)

2SC1841 (E/F) 2SA1015 (GR)

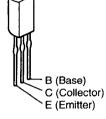
2SC1815 (GR)

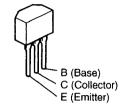


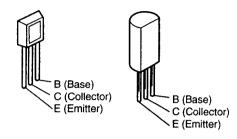
2SB647A (C)

2SA933S (S) 2SC1740S (E) 2SC1740S (S) 2SC2058S (Q) 2SB1328 (P) 2SD2004 (P) HIT5610 (C)



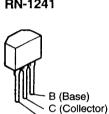


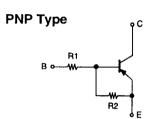




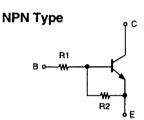
2SK365 (BL/GR)







	R1	R2
DTA114ES	10 kohm	10 kohm

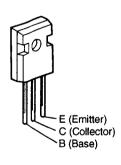


	R1	R2
DTC143ES	4.7 kohm	4.7 kohm
DTC144ES	47 kohm	47 kohm
DTC144TS	47 kohm	_
DTC323TS	2.2 kohm	_
RN1241	5.6 kohm	

2SA1633 (E/F) 2SC4278 (E/F)

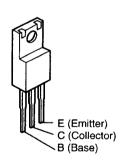
S (Source) G (Gate)

D (Drain)

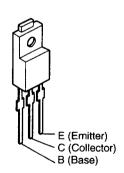




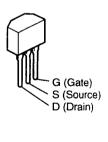
E (Emitter)



2SD2061



2SK161



# • DIODES & LED

IN4148

IN4002

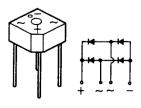
HZ27-04 HZ7B1 HZ3C2 HZ7C3 HZ6C2 HZ9A3



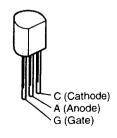




**S4VB20** 



SFOR1A42

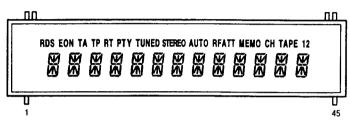


# SBX1910-52 (RM701)

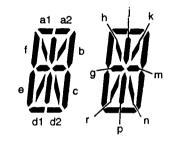


- 1. Vcc
- 2. Output 3. GND
- 4. Case Fin 5. Case Fin

# FLD (14BT48GK)



b c d e h RDS EON TA TP RT PTY TUNED STEREO AUTO RFATT MEMO CH TAPE 12 巡 窓 13G 12G 11G 10G 9G



PIN CONNECTION	ı
----------------	---

	Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Connection	F1	F1	NP	NP	NC	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	Р3	P2	P1	14 G	13G	12G						
ī		_	_								_	_			=	=			41.		_	*****									

Pin No.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Connection	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NΡ	NΡ	F2	F2

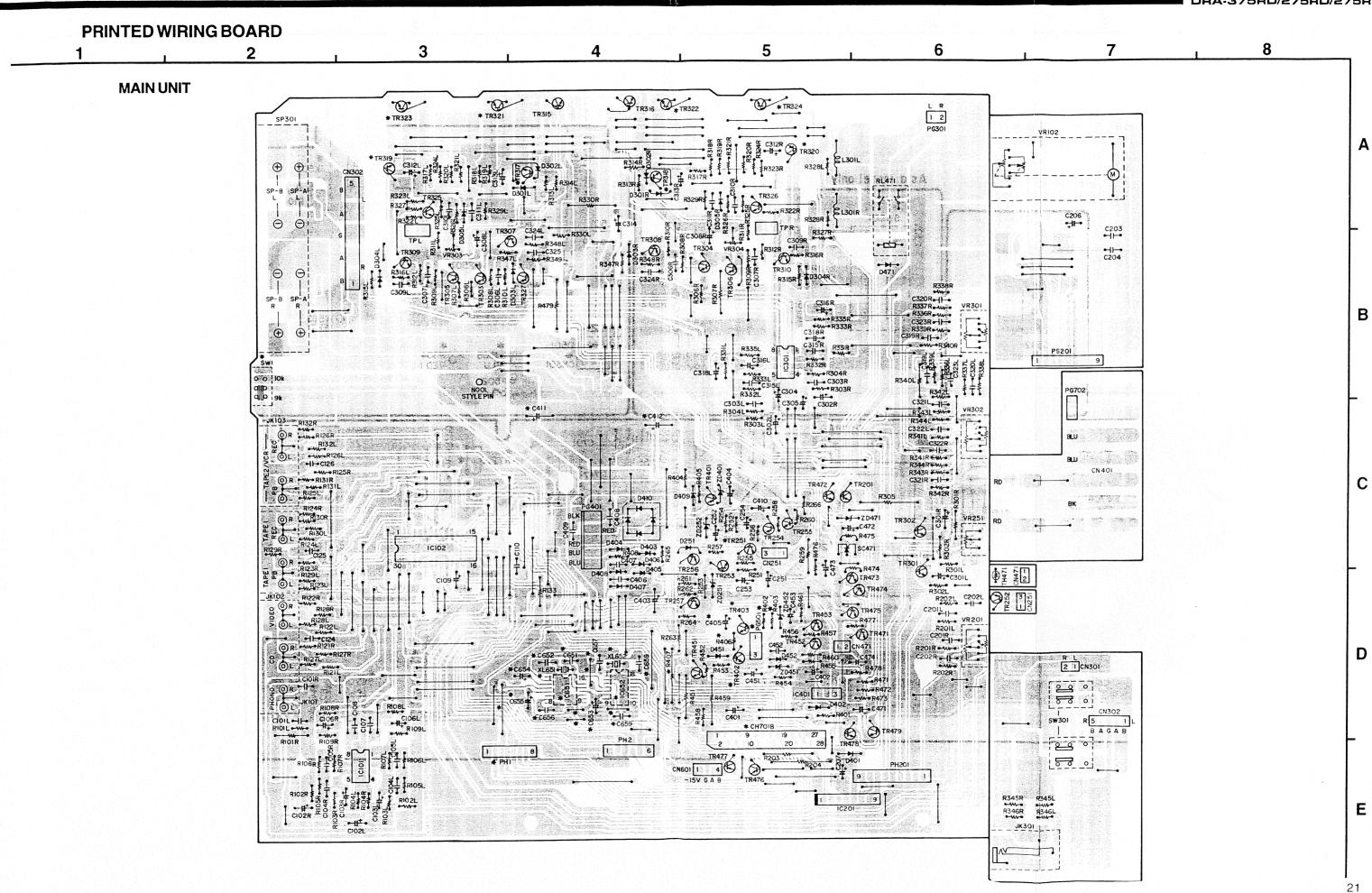
1) F1, F2 ---2) NP------3) NC-----

--- No pin --- No connection

4) DL ------5) 1G-14G ------ Datum line --- Gird

# **ANODE CONNECTION**

						_								
	14G	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	RDS	a1	a1	a1	a1	a1	a1	a1	a1	a1	a1	a1	a1	a1
P2	EON	a2	a2	<b>a</b> 2	a2	<b>a</b> 2	a2							
Р3	TA	b	b	b	b	b	b	b	b	b	b	b	b	b
₽4	TP	С	С	С	С	С	С	С	С	С	С	С	С	С
P5	RT	d2	d2	d2	d2	d2	d2	d2	d2	ď2	d2	d2	d2	d2
P6	PTY	d1	d1	d1	d1	d1	d1	d1	d1	d1	d1	d1	d1	d1
<b>P</b> 7	TUNED	е	е	e	е	е	е	е	е	е	е	е	е	е
P8	STEREO	f	f	f	f	f	1	f	f	f	1	f	1	ſ
P9	AUTO	j	j	j	j	j	j	j	j	j	j	j	j	j
P10	RFATT	k	k	k	k	k	k	k	k	k	k	k	k	k
P11	МЕМО	m	m	m	m	m	Э	m	Э	m	m	m	m	æ
P12	СН	n	ก	n	n	n	J	n	n	n	n	ภ	n	n
P13	TAPE	р	р	р	р	р	р	р	р	р	р	р	р	р
P14	1	r	r	ı	r	ſ	r	r	r	r	r	ſ	r	r
P15	2	g	9	g	g	g	g	g	g	g	g	g	g	g
P16	[	h	h	h	h	h	h	h	h	h	h	h	h	h

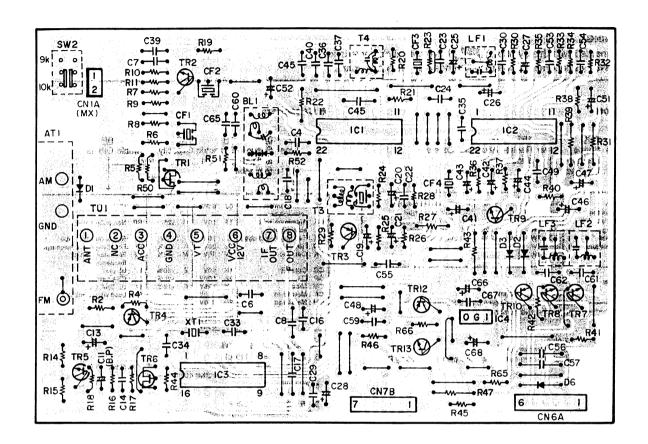


8

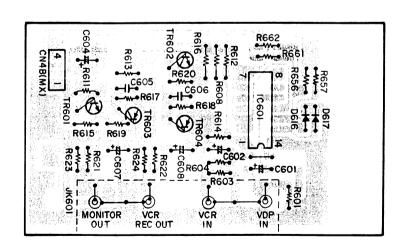
I DRA-375RD/275RD/275R

1 1 2 1 3 1 4

# **TUNER UNIT**



# **VIDEO JACK UNIT**



23

E

В

C

D

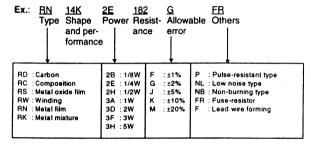
# **NOTE FOR PARTS LIST**

- Part indicated with the mark "O" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

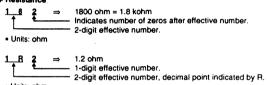
### WARNING

Parts marked with this symbol A have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

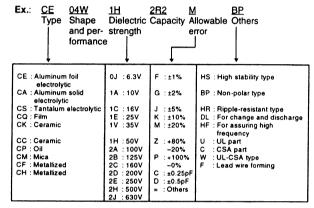
### Resistors



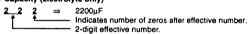
### \* Resistance



### Capacitors

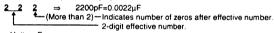


### \* Capacity (electrolyte only)



• Units: μF.

### \* Capacity (except electrolyte)



• Units: pF.

Units: pF.

When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

# PRINTED WIRING BOARD PARTS LIST MAIN UNIT

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
	DUCTORS G			TR471~473	<del></del>	Transistor 2SC1740S (S)	
IC101	263 0322 004	T T		TR474	1	Transistor 2SA933 (S)	
IC102	9L2 3016 92W			TR475	273 0303 910	Transistor 2SC1740S (S)	
10102	362 3010 3211	10 20/02//		TR476,477	1	Transistor DTA114ES	
IC201	263 0927 001	IC BA6208S		TR478,479	269 0040 009	Transistor DTC144ES	
10201	200 0027 007	10 27102000					
IC301	263 0565 007	IC BA15218		D251	276 0375 002	Diode 1N4148 or 1N4531	
IC401	9LC P024 12	IC KIA7806PI		D301L,301R	276 0375 002	Diode 1N4148 or 1N4531	
				D302L,302R	276 0375 002	Diode 1N4148 or 1N4531	
IC651	262 1872 000	IC SAA6579T	(DRA-375)		1	Diode 1N4148 or 1N4531	
			Except Asia model	l <b>l</b>		Diode 1N4148 or 1N4531	
IC651	262 1872 000	IC SAA6579T	(DRA-275)	D305L,305R	276 0375 002	Diode 1N4148 or 1N4531	
			Europe and U.K.	D.101	070 0075 000	Di- d- 4N4440 4N4504	
			models	D401		Diode 1N4148 or 1N4531	
IC652	9LC K044 71	IC LC7074M	(DRA-375)Except Asia	D402~408		Diode 1N4002	
			model	D409	1	Diode 1N4148 or 1N4531	
IC652	9LC K044 71	IC LC7074M	(DRA-275)	D410		Diode S4VB20	
			Europe and U.K.	D451,452 D471	1	Diode 1N4148 or 1N4531 Diode 1N4148 or 1N4531	
			models	0471	276 0373 002	Diode IN4146 of IN4551	
TDOO	000 0000 004	Transister DTA142EC		ZD251,252	276 0303 003	Zenar diode HZ6C2	6V
TR201	9L2 3184 33	Transistor DTA143ES Transistor 2SD2061F	(DRA-375)	20201,202	270 0000 000	Zenar diode 112002	••
TR251 TR251		Transistor 2SD2001P	(DRA-275)	ZD401	9L2 3321 61M	Zenar diode HZ27-04	27V
TR252		Transistor 2SB1655E	(DIA 275)	ZD451		Zenar diode HZ3C2	3.3V
TR253		Transistor 2SC1740S (E)		ZD452		Zenar diode HZ7B1	6.8V
TR254		Transistor 2SA933S (S)		ZD471	276 0051 083	Zenar diode HZ7C3	7V
TR255		Transistor 2SC1841 (E/F)					
TR256		Transistor 2SA988 (E/F)		SC471	9LC J001 81	Thyristor SF0R3G42	
TR257	273 0388 906	Transistor 2SC1740S (E)		1			
				TH471	9LC J001 51	Thermister	
TR301,302	269 0107 900	Transistor RN1241		1			
TR303,304	273 0235 020	Transistor 2SC1841 (E/F)					
TR305~308	271 0131 021	Transistor 2SA988 (E/F)					
TR309,310	273 0235 020	Transistor 2SC1841 (E/F)		RESISTOR	S GROUP (	Not included Carbon F	ilm ± 5% 1/4W)
TR315,316	9L2 3294 53T	Transistor 2SC945P		R265,266	·	Carbon film 4.7ohm 1/4W	RD14B2E4R7JNB
TR317,318	274 0151 000	Transistor 2SD2004 (P)	(DRA-375)	11200,200	241 2007 040	0410017 111111 4.7 011111 17477	1101402241110110
TR317,381	274 0060 007	Transistor 2SD667A (C)	(DRA-275)	R315L.315R	241 2369 065	Carbon film 620ohm 1/4W	RD14B2E621JNB
TR319,320	272 0107 003	Transistor 2SB1328 (P)	(DRA-375)			Carbon film 150ohm 1/4W	RD14B2E151JNB
TR319,320		Transistor 2SB647A (C)	(DRA-275)	B		Carbon film 220ohm 1/4W	RD14B2E221JNB
TR321,322		Transistor 2SC4278 (E/F)	(DRA-375)			Meta oxide 0.22ohm 1W	RS14B3AR22JNB
TR321,322		Transistor 2SC3853	(DRA-275)	R319L,319R	9LA T010 12R	Meta oxide 0.22ohm 1W	RS14B3AR22JNB
TR323,324		Transistor 2SA1633 (E/F)	(DRA-375)	R320L,320R	9LA T010 12R	Meta oxide 0.22ohm 1W	RS14B3AR22JNB
TR323,324		Transistor 2SA1489	(DRA-275)	R321L,321R	9LA T010 12R	Meta oxide 0.22ohm 1W	RS14B3AR22JNB
TR325,326	1	Transistor 2SC1841 (E/F)		R324L,324R	241 2321 003	Carbon film 1kohm 1/4W	RD14B2E102JNB
TR327	2/1 0131 021	Transistor 2SA988 (E/F)		R325L,325R	241 2321 003	Carbon film 1kohm 1/4W	RD14B2E102JNB
TD464	070 0050 005	T		R329L,329R	241 2387 940	Carbon film 4.7ohm 1/4W	RD14B2E4R7JNB
TR401		Transistor 2SB647A (C)	(DDA 275)	R345L,345R	244 0032 005	Metal oxide 180ohm/1W	RS14B3A181JNB
' I		Transistor 2SC1740S (S)	(DRA-375)	R346L,346R	244 0032 005	Metal oxide 180ohm/1W	RS14B3A181JNB
TR451	1	Transistor 2SC1740S (E)		R347L,347R	241 2369 065	Carbon film 620ohm 1/4W	RD14B2E621JNB
TR452 TR453		Transistor DTC143ES Transistor 2SC1740S (E)		R348L,348R	241 2321 074	Carbon film 150ohm 1/4W	RD14B2E151JNB
111400	213 0300 900	11a11313101 230 17403 (E)					

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R401	241 2387 940	Carbon film 4.7ohm 1/4W	RD14B2E4R7JNB	C319L,319R	255 1077 001	Film 0.027µF/50V	CQ93M1H273K
R403	241 2321 074	Carbon film 150ohm 1/4W	RD14B2E151JNB	C320L,320R	255 1085 006	Film 0.12µF/50V	CQ93M1H124K
			(DRA-375)	C321L,321R	255 1258 079	Film 0.01µF/50V	CQ93M1H103J
R404	241 2322 031	Carbon film 100ohm 1/4W	RD14B2E101JNB	C322L,322R	255 1120 026	Film 0.0015µF/50V	CQ93M1H152J
R471	244 0042 008	Metal oxide 1.2kohm/1W	RS14B3A122JNB	C323L,323R	253 1055 069	Ceramic 100pF/50V	CC45SL1H101J
R473	244 0049 001	Metal oxide 4.7kohm/1W	RS14B3A472JNB	C324L,324R	255 1084 007	Film 0.1µF/50V	CQ93M1H104J
R408	241 2322 060	Carbon film 10hm 1/4W	RD14B2E010JNB	C325	255 1258 079	Film 0.01µF/50V	CQ93M1H103J
VR102	9L0 1579 02	Variable 100kohm	VOL	C401	9L0 2845 82	Electrolytic 8.2µF/5.5V	
VR201	9LA Y001 84	Variable 100kohm	LOUD	C402	254 4256 907	Electrolytic 10µF/25V	CE04W1E100M
VR251	9LA Y001 87	Variable 250kohm	BAL	C403	254 4257 003	Electrolytic 3300µF/25V	CE04W1E332M
				C404	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
VR301	9LA Y001 85	Variable 100kohm	BASS	C405	<b>254 4256 907</b>	Electrolytic 10µF/25V	CE04W1E100M
VR302	9LA Y001 86	Variable 50kohm	TREBLE	C406,407	255 1258 079	Film 0.01μF/50V	CQ93M1H103J
VR303,304	9L0 1603 23	Semi fixed 5kohm		C408,409	<b>9W0</b> 2445 09	Ceramic 4700pF/500V	
				C410	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
CAPACITO	RS GROUP			C411,412	9LA L004 72	Electrolytic 8200µF/63V	(DRA-375)
	253 1179 026	Ceramic 150pF/50V	CK45B1H151K	C411,412	9LA L004 71	Electrolytic 8200µF/50V	(DRA-275)
	254 4256 907	Electrolytic 10µF/25V	CE04W1E100M	C451	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M
ļ	254 4254 022	Electrolytic 33μF/16V	CE04W1C330M	C452	9L0 8901 01R	Ceramic 0.01µF/16V	CK45B1C103J
· 1	255 1069 006	Film 0.0056µF/50V	CQ93M1H562K	C453	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
	255 1120 026	Film 0.0036µF/50V	CQ93M1H152J	C471		Electrolytic 10µF/50V	CE04W1H100M
	254 4256 907	Electrolytic 10μF/25V	CE04W1E100M	C472	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M
C107,108	253 1025 002	Ceramic 0.022µF/50V	CK45F1H223Z	C473	254 4250 042	Electrolytic 330µF/6.3V	CE04W0J331M
C109	254 4256 059	Electrolytic 220µF/25V	CE04W1E221M	C474	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M
C110	1	Ceramic 0.022µF/50V	CK45F1H223Z				
C124~126	I	Ceramic 0.022µF/50V	CK45F1H223Z	C651,652	253 3131 907	Ceramic 27pF/50V	CC45CH1H270J
	200 1020 002	osiaimo siozzari root	511161111252				(DRA-375)
C201L,201R	255 1076 002	Film 0.022µF/50V	CQ93M1H223K				Except Asia model
1	ı	Ceramic 560pF/50V	CK45B1H561K				(DRA-275)
	l	Ceramic 0.022µF/50V	CQ93M1H223K				Europe and U.K. models
1	ı	Electrolytic 4.7µF/50V BP	CE04D1H4R7MBP	C653~655	254 4250 013	Electrolytic 47µF/6.3V	CE04W0J470M
1	ł	Electrolytic 1µF/50V	CE04W1H010M				(DRA-375)
1	254 4256 033	Electrolytic 47μF/25V	CE04W1E470M				Except Asia model
f	- 1	Electrolytic 10µF/25V	CE04W1E100M				(DRA-275)
	1	•					Europe and U.K. models
C301L,301R	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C656	253 1055 014	Ceramic 560pF/50V	CK45B1H561K
. 1	l l	Electrolytic 0.33µF/50V	CE04W1HR33M				(DRA-375)
	1	Ceramic 100pF/50V	CC45SL1H101J				Except Asia model
	1	Electrolytic 1µF/50V	CE04W1H010M				(DRA-275)
	i	Ceramic 10pF/50V	CC45SL1H100D	0057.050	050 0011 555	0	Europe and U.K. models
		Ceramic 10pF/50V	CC45SL1H100D	C657,658	253 3614 000	Ceramic 30pF/50V	CC45SL1H300J
	1	Electrolytic 1µF/50V	CE04W1H010M				(DRA-375)Except Asia
	1	Film 0.1µF/50V	CQ93M1H104K	1			model
1	1	Film 0.022μF/50V	CQ93M1H223K				(DRA-275)
	1	Film 0.1µF/50V	CQ93M1H104K	0050	01 0 0001 015	0	Europe and U.K. models
	i i	Electrolytic 4.7µF/63V	CE04W1J4R7M	C659	9L0 8901 01R	Ceramic 0.01µF/16V	CK45B1C103J
	i	Electrolytic 4.7µF/63V	CE04W1J4R7M	1			(DRA-375)Except Asia
i		Electrolytic 1µF/50V	CE04W1H010M				model
1	1	Ceramic 10pF/50V	CC45SL1H100D				(DRA-275)
	1	Electrolytic 33µF/16V	CE04W1C330M				Europe and U.K. models
- 1	i	Electrolytic 1µF/50V	CE04W1H010M	1			

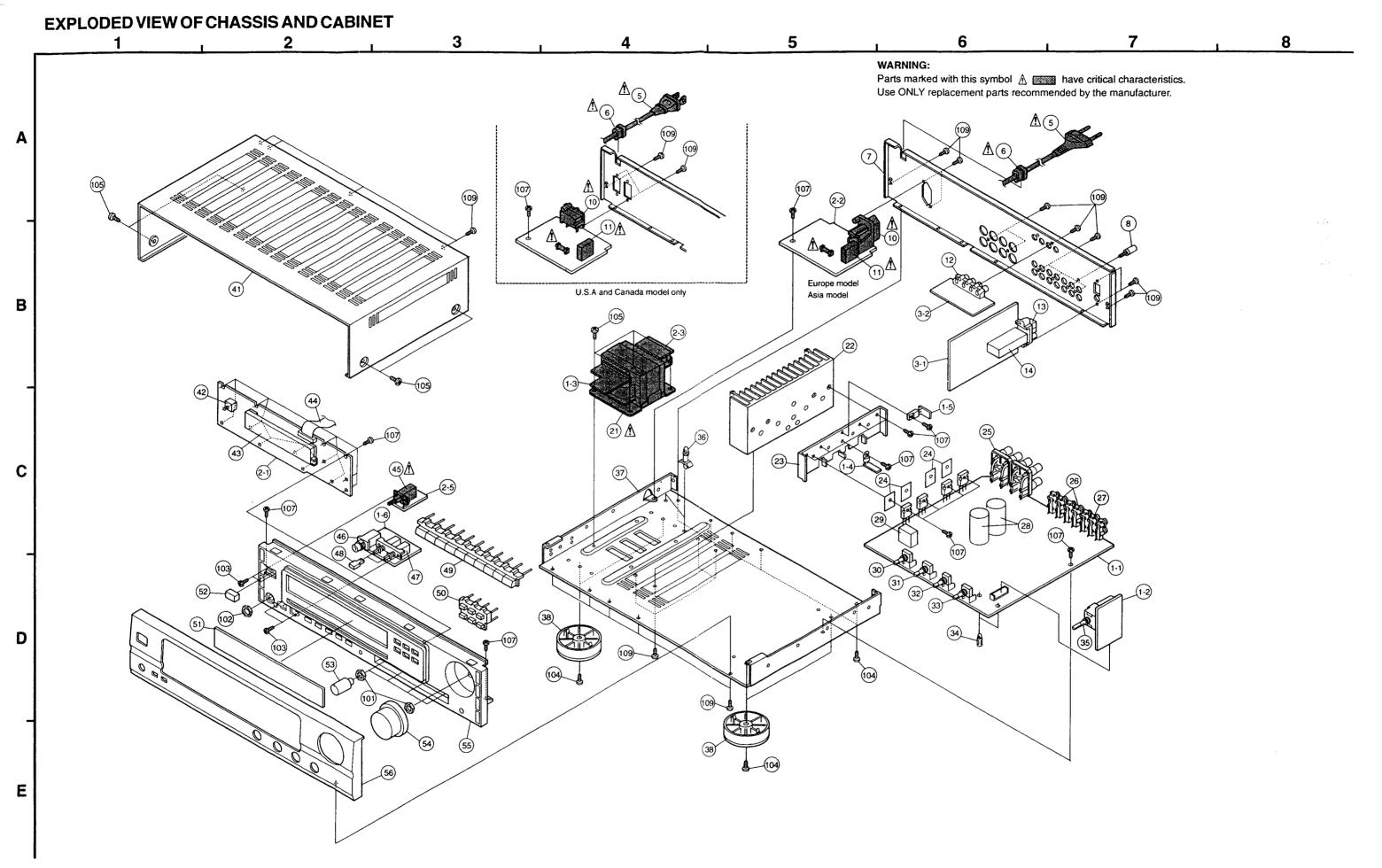
# **TUNER UNIT**

Ref. No.	Part No.	Part Name	lame Remarks		٦٢	Ref. No.	Remarks		
C661		Ceramic 0.01μF/16V CK45B1C103J			11	SEMICON	1		
C001	9F0 9901 01H	Ceramic U.UTAT/10V	(DRA-375)Exce	nt Acir	ال	IC001	263 0891 001	T	T
			model	pi Asia	"	IC001	263 0439 007	1	
			(DRA-275)		Ш	IC002	262 0719 009		
			Europe and U.K. m	nodels	Ш	IC004	i	IC KIA7812PI	
			25/5/0 2/10 5/1/1/1	<del></del>	41			101111111111111111111111111111111111111	
	ARTS GROU	T	<sub>T</sub>	Q'ty	41	IC601	262 1873 009	IC BU4066BC	
SW001	9L2 6225 21	Slide switch	Asia model		П				
SW301	9LF E001 81	Speaker switch			Ш	TR001	275 0051 006	Transistor 2SK161	
DI 474	01.0.0440.04	Delevi (OAV)	CD muto		П	TR002	273 0434 902	Transistor 2SC2058S (Q)	
RL471	9L2 6413 21	Relay (24V)	SP mute			TR003,004	269 0046 003	Transistor DTA114ES	
XL651	9L2 1701 33	Crystal 4.332MHz	(DRA-375)	l	П	TR005	273 0198 002	Transistor 2SC1815 (Y)	
XL031	962 1701 33	Crystal 4.332IVII 12	Except Asia model		Ш	TR006	275 0053 907	Transistor 2SK365 (BL/GR)	
XL651	9L2 1701 33	Crystal 4.332MHz	(DRA-275)		П	TR007,008	273 0372 909	Transistor DTC323TS	
ALOST	362 1701 33	Orystal 4.00Elvil 12	Europe and U.K. model		Ш	TR009	269 0079 902	Transistor DTC144TS	
XL652	399 9018 003	Crystal 4.0MHz	(DRA-375)	1	Ш	TR010		Transistor DTA114TS	
ALOUL	000 00 10 000	Oryotal 1.00012	Except Asia model		Ш	TR011	272 0025 004	Transistor HIT5610C	
XL652	399 9018 003	Crystal 4.0MHz	(DRA-275)		Ш			or 2SB562C	
		.,	Europe and U.K. model	s	П	TR012	269 0020 906	Transistor DTC144ES	
			·		Ш	TDC04 C00	070 0005 004	Tinto-0004045 (OD)	
L301L,301R	9L2 2273 63	Trap coil 1.1µH			П	TR601,602 TR603,604		Transistor 2SC1815 (GR)	*
					Ш	1003,004	2/10/00/005	Transistor 2SA1015 (GR)	
JK101	9LE R003 41	6P US pin jack			Ш	D001~003	276 0375 002	Diode 1N4531 or 1N4148	
JK102,103	9LE R003 51	4P US pin jack			П	D001~003		Diode 1N4001	
JK301	9LE Y005 01	Headphone jack			П	D616,617		Diode 1N4531 or 1N4148	
00004		as			H		1		
SP301	9LE U003 81	Front SP terminal			lŀ	CO04	ORS GROUP	Ceramic 12pF/50V	CC45SL1H120J
CH701B	9LE D007 91	24P FEC cable holder	(DRA-375) Asia model		П	C004 C006	1	Ceramic 12pF/50V	CC455L1H1203
OITTOID	3LL D007 31	241 11 O cable floider	(DRA-265)		Ш	C000	233 1174 018	Ceramic 0.01µF/10V	Eorope and U.K. models
			U.S.A., Canada and Asia		Ш	C007,008	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M
			models		Ш	C011	1 1	Electrolytic 1µF/50V BP	CE04D1H010MBP
CH701B	9LE D007 92	25P FFC cable holder			Ш	C013	1	Electrolytic 0.1µF/50V	CE04W1H0R1M
			U.K. model		Ш	C014	1 4	Ceramic 0.022µF/50V	CK45F1H223Z
CH701B	9LE D007 95	28P FFC cable holder	(DRA-375)		П	C016	1 1	Ceramic 100pF/50V	CC14B1H101K
			Except Asia model			C017,018	1	Ceramic 0.01µF/16V	CC14Y1C103M
			(DRA-275)		$\ $	C019	254 4260 032	Electrolytic 0.47µF/50V	CE04W1HR47M
			Europe model		П	C020	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M
						C021	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
	9LM A007 81	Heat sink bracket		1	Ш	C022	253 1025 002	Ceramic 0.022µF/50V	CK45F1H223Z
	9LM F001 71	Insulation sheet		4	П	C023	HMA 1000 159	Ceramic 100pF/50V	CC14B1H101K
	9L8 6914 10	Screw 3x10 BH BT		6	П				Except Eorope and
					Ш				U.K. models
						C024		Film 0.056µF/50V	CQ93M1H563K
						C025~027	1	Electrolytic 22µF/50V	CE04W1H220M
						C028	1	Electrolytic 1µF/50V	CE04W1H010M
						C029		Ceramic 0.01µF/16V	CC14Y1C103M
					П	C030	9L0 8900 32M	Ceramic 560pF/50V	CC14B1H561K
					Ш	0001.055	054 (000	<b>5</b> 1	Eorope and U.K. models
						C031,032	1	Electrolytic 10µF/50V	CE04W1H100M
						C033,034	253 3126 006	Ceramic 16pF/50V	CC45CH1H160J
					L				

# **DISPLAY UNIT**

C035   255 1122 008   Film 0.047µF/50V   C0380M1H473J   C036,037   253 1174 018   Ceramic 0.01µF/16V   CC14Y1C103M   C040   254 4256 045   Electrolytic 1µF/50V   CE04W1H010M   C041   254 4256 045   Electrolytic 1µF/50V   CE04W1H010M   C043   254 1496 014   Electrolytic 0.22µF/50V   CE04W1H010M   C043   254 4260 045   Electrolytic 0.22µF/50V   CE04W1H010M   C043   254 4260 045   Electrolytic 0.22µF/50V   CE04W1H010M   C044   254 4260 045   Electrolytic 0.22µF/50V   CE04W1H010M   C045   253 1174 018   Ceramic 0.01µF/16V   CC14Y1C103M   C046   253 1174 018   Ceramic 0.01µF/16V   CE04W1H010M   C053   254 4260 045   Electrolytic 0.22µF/50V   CE04W1H010M   C046   C046   253 1174 018   Ceramic 0.01µF/16V   C046		T =	T =	Т	DISPLAY	<del></del>	T	
C039   253 1174 018   Ceramic 0.01µF78V   CC14YC103M   CE04W11610M   C	Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C339		1			SEMICON	IDUCTORS (	GROUP	
Codd	•	1	•		IC701	262 2249 001	IC TMP87CM71F-6348	
CO44		1		1				
CO44		1	, , , , , , , , , , , , , , , , , , , ,	1.	TR701	269 0020 906	Transistor DTC114ES	
C043			1 .	i	11			
CO44   224 4280 951   Electroylic 1_pt/F60V   CEAWW14010M   CO46047   224 4280 951   Electroylic 2_pt/F50V   CEAWW14010M   CC48W14010M   CC4			, ,	t	D501	276 0375 002	Diode 1N4531 or 1N4148	(DRA-375)
C046,047   254 4269 087   Electrolytic 2/ga/F60V   C049WH2R2M   C049WH2R2M   C059   C049WH2R2M   C049WH2R2M   C059WH2R2M		1			11			Except U.K. model
C046,047   254 4260 951   Electrolytic 22µF/50V   CEO4WH14DR2M   CEO4WH1010M   CEO4			1 ' '		D701	276 0375 002	Diode 1N4531 or 1N4148	
C048   254 4260 045   Electrolytic 1µF/50V   CC04W1H010M   CC14V1C103M   CE04W1H102M		1	'	1				
CO49	·	1	1 '		ZD701	9W2 3318 23	Zenar diode HZ9A3	9V
C051   254 4260 951   Electrolytic 2.2µF/50V   CEO4W1H2R2M   C053.054   253 1193 992   Ceramic 330pF/50V   CC14B1H6B1K   Eorope and U.K. models   C14B1H6B1K   Except Ecrope and U.K. models   Except Europe and U.K. mo		1	, ,					
C052   254 4260 087   Electrolytic 10µF/50V   CF04W1H100M   C14B1H331K   Ecorpe and U.K. models   Ecorpe and U.			'		LED701	9L2 3984 05	LED SLR54VC3F	Red
C053,054 253 1193 992 Ceramic 330pF/50V CC14B1H331K Ecope and U.K. models C053,054 253 1194 933 Ceramic 680pF/50V CC14B1H31K Except Ecrope and U.K. models C059,060 253 1174 018 Ceramic 0.01µF/16V CC14Y1C103M C061,062 254 4256 033 Electrolytic 100µF/16V CC14Y1C103M C601,062 254 4256 033 Electrolytic 100µF/16V CC14Y1C103M C605,060 9U.9900 05M Ceramic 470pF/16V CC14Y1C103M C605,060 9U.9900 05M Ceramic 470pF/16V CC14Y1C103M C605,060 9U.9900 05M Ceramic 470pF/16V CC14Y1C103M C607,060 9U.9900 05M Ceramic 470pF/16V CC14Y1C103M C703 9U.9900 05M Ceramic 470pF/16V CC14Y1C102M C703 9U.9900 05M Ceramic 470pF/6VV CC14Y1C102M C703 9U.9900 05M Ceramic 470pF/6VV CC14Y1C102M C703 9U.9900 05M Ceramic 470pF/6VV CC14Y1C102M C703 9U.9900 101 Ceramic 0.01µF/16V C702 Electrolytic 100µF/16V C014Y1C102M C703 9U.9900 101 Ceramic 0.01µF/16V C704 254 4250 079 Electrolytic 100µF/10V C704 254 425		1	, ,	1	<b>}</b>			
Co53,054   253 1194 933   Caramic 680pF/50V   CC1481H681K   Except Eorope and U.K. models   CC481H1681K   Except Eorope and U.K. models   CC481H12K   Except Eorope and U.K. models   CC1491C103M		254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	RM701	9LH N000 31	Receiving unit	(SBX1910-52)
C053,054 253 1194 933 Ceramic 680pF/50V CC14B1H681K Except Ecrope and U.K. models C055 253 1101 900 Ceramic 120pF/50V CC45B1H121K Ecope and U.K. models C056,057 253 1174 018 Ceramic 0.01µF/16V C059,060 253 1174 018 Ceramic 0.01µF/16V C054,062 253 1159 961 Ceramic 0.01µF/16V C054,065 253 1174 018 Ceramic 0.01µF/16V C054,065 264 4254 789 Electrolytic 1000µF/16V C054,065 264 4252 079 Electrolytic 1000µF/16V C054,065 264 425 279 Electrolytic 1000µF/16V C054,065 264 264 264 264 264 264 264 264 264 264	C053,054	253 1193 992	Ceramic 330pF/50V	CC14B1H331K				
Except Eorope and U.K. models   C45811421K   C459611421K   C459614136   C45911421K   C459614   C459614   C4596143   C459614136   C45911421K   C459614   C				<b>1</b> '	I PERIOTO	DO ODOUD (		
Continue   Continu	C053,054	253 1194 933	Ceramic 680pF/50V	1	<b> </b>	<del></del>	<del></del>	T
C055				· I	H501	9LH 1390 08	Metal oxide 2.2kohm 1/2W	RS14B2H222JNB
C056,057 253 1174 018 Ceramic 0.01μF/16V C059,060 253 1174 018 Ceramic 0.01μF/16V C14Y1C103M C14Y1C10A T14Y1C103M C14Y1C10A T14Y1C103M C14Y1C10A T14Y1C103M C14Y1C10A T14Y1C103M C14Y1C10A T14Y1C10A T14Y1C1A T								'
Co56,057   253 1174 018   Ceramic 0.01μF/16V   CC14Y1C103M   CC14Y1C102M   CC14Y1C103M   CC14Y1C	C055	253 1101 900	Ceramic 120pF/50V		CAPACIT	ORS GROUP	)	
COSS_0.65         253 1174 018         Ceramic 0.01μF/16V         CC14YIC103M         CC14XIC472M         Ecope and U.K. models         CC14XIC472M         Ecope and U.K. models         CC14XIC472M         Ecope and U.K. models         CC14XIC472M         CC702         PLM M1000 150         CC14XIC472M         CC703         PLM B000 101         CC14XIC472M         CC14XIC472M         CC703         PLM B000 101         CC14XIC472M         CC14XIC472M         CC703         PLF B000 11         MIN ANT coil         MIN Tansformer         MIN Tansformer         MIN Tansformer         MIN Tansformer         MIN Tansformer         SW701 -707				1 '	<b>∆</b> C501	253 8014 702	Ceramic 0.01µF/400V	CK45F2GAC103MC
C061,062 253 1174 018 Ceramic 0.01µF/16V Ceramic 4700pF/16V Ecrope and U.K. models Co05,060 253 1174 018 Ceramic 0.01µF/16V Ceramic 470pF/16V Ecrope and U.K. models CF002 261 0036 900 Ceramic filter CF002 261 0036 907 Ceramic filter CF002 261 0036 907 Ceramic filter CF003 9L2 1363 13 LF002,003 9L2 1363 14 LF002,003 9L2 1363 14 JF002,003 9L2 1363 9L2	-	1	•	1				
C014X (C472M) C065		1	·	1				Except U.K. model
Coops and U.K. models   Coramic 0.01μF/16V   Coramic 0.01μF/16V   Cot4YLC103M   Co	C061,062	253 1159 961	Ceramic 4700pF/16V	1	<b>∆</b> C502	253 8014 702	Ceramic 0.01uF/400V	CK45F2GAC103MC
C601,602 254 4256 033 Electrolytic 47µF/25V CE04W1E470M CE04W1C102M CF005,606 254 4254 789 Electrolytic 1000µF/16V CE04W1C102M CF007,608 254 4252 079 Electrolytic 1000µF/10V CE04W1A102M CC14SL1H4R7K CF007,608 254 4252 079 Electrolytic 1000µF/10V CE04W1A102M CC14SL1H4R7K CF007,608 254 4252 079 Electrolytic 1000µF/10V CE04W1A102M CC14SL1H4R7K CF007,608 254 4252 079 Electrolytic 1000µF/10V CE04W1A102M CF007 CF001 254 4252 079 Electrolytic 1000µF/10V CE04W1A102M CF004 254 4213 034 Electrolytic 100µF/6.3V CE04W0J101M CF004 254 4213 034 Electrolytic 100µF/6.3V CF004 2				1 '				
C601,602         254 4256 033         Electrolytic 1000μF/16V         CEO4W1E470M         CEO4W1E470M         C702         HMA 1000 158         Ceramic 100pF/50V         CC14B1H101K           C605,606         9 0.0 8900 05M         Ceramic 4.7pF/50V         CC14SL1H4R7K         CC703         9L0 8901 01         Ceramic 0.01μF/16V         CE04W0J101M           OTHER PARTS GROUP           BJ001         9 LB H005 31         MW ANT coil         AM IF transformer         SW501         SW501         Asia model           CF001         261 0054 007         Ceramic filter         Europe and U.K. models         Except Europe and U.K. models         SW701-707         9L2 6396 82R         Tact switch         (DRA-375)Asia (DRA-375)           CF002         261 0054 007         Ceramic filter         Europe and U.K. models         Except Europe and U.K. models         SW709         9L2 6396 82R         Tact switch         (DRA-375) Except Asia model           CF003         9LB P005 01         Ceramic filter         Europe and U.K. models         SW710-715         9L2 6396 82R         Tact switch         Europe and U.K. models           LF001         9L2 1363 13         L.P.F.         Europe and U.K. models         SW710-715         9L2 6396		1	•	1	C701	9L0 8901 01	Ceramic 0.01µF/16V	
C605,606   C607,608   Su. 9900 05M   Ceramic 4.7pF/50V   CC14SL1H4R7K   CE04W1A102M   C704   254 4213 034   Electrolytic 100μF/6.3V   CE04W0J101M   C704   254 4213 034   Electrolytic 100μF/6.3V   CE04W0J101M   C704			• •	1	C702	HMA 1000 159	'	CC14B1H101K
C605,606   91.0 8900 05M   Ceramic 4.7pF/50V   CC14SL1H4R7K   CE04W1A102M			•	1	C703	9L0 8901 01	Ceramic 0.01µF/16V	
C607,608         254 4252 079         Electrolytic 1000µF/10V         CE04W1A102M           OTHER PARTS GROUP           BJ001         9LB H005 31         MW ANT coil         AM IF transformer           T004         9L2 1370 33         MW ANT coil         AM IF transformer           CF001         9L2 1701 32         Crystal 7.2MHz           CF001         261 0064 007         Ceramic filter         Europe and U.K. models           CF002         261 0135 907         Ceramic filter         Europe and U.K. models           CF002         261 0136 906         Ceramic filter         Europe and U.K. models           CF003         9LB P005 01         Ceramic filter         Europe and U.K. models           CF004         9LB P004 91         Ceramic filter         Europe and U.K. models           LF001         9L2 1363 13         L.P.F.         Europe and U.K. models           LF002,003         9L2 1363 14         L.P.F.         Europe and U.K. models           AT001         9LE R002 32         AT U.P.F.         Europe and U.K. models           <		i	•	1	C704	254 4213 034	i .	CE04W0J101M
BJ001 9LB H005 31 MW ANT coil T003 9LB J002 51 AM IF transformer T004 9L2 1370 33 FM DET transformer XT001 9L2 1701 32 Crystal 7.2MHz CF001 261 0064 007 Ceramic filter CF001 261 0135 907 Ceramic filter CF002 261 0136 906 CF002 261 0136 906 CF002 261 0136 906 CF003 9LB P005 01 Ceramic filter CF004 9LB P004 91 Ceramic filter LF001 9L2 1363 13 L.P.F. Europe and U.K. models LF002,003 9L2 1363 14 L.P.F. Europe and U.K. models Europe and U.K. models Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models  Except Europe and U.K. models  Except Europe and U.K. models  Except Europe and U.K. models  Except Europe and U.K. models  Except Europe and U.K. models  Furope and U.K. models  Europe a	C607,608	254 4252 079	Electrolytic 1000μF/10V	CE04W1A102M	l		, .	
BJ001 9LB H005 31 MW ANT coil T003 9LB J002 51 AM IF transformer T004 9L2 1370 33 FM DET transformer XT001 9L2 1701 32 Crystal 7.2MHz CF001 261 0064 007 Ceramic filter CF001 261 0135 907 Ceramic filter CF002 261 0064 007 Ceramic filter CF002 261 0136 906 Ceramic filter CF003 9LB P005 01 Ceramic filter CF004 9LB P005 01 Ceramic filter CF004 9LB P004 91 LP.F. LF001 9L2 1363 13 LF.P.F. LF001 9L2 1363 14 LP.F. LF001 9L2 1363 14 LP.F. JK601 9LE R002 32 AT001 9LE H000 31 Tuner pack  Except Europe and U.K. models Europe and U.K. models  Europe and U.K. model	OTHER PA	ARTS GROU	P		OTHERR	APTS CROU	<u> </u>	
T003 9LB J002 51 AM IF transformer T004 9L2 1370 33 FM DET transformer XT001 9L2 1701 32 Crystal 7.2MHz CF001 261 0064 007 CF001 261 0135 907 CF002 261 0136 906 CF002 261 0136 906 CF002 261 0136 906 CF003 9LB P005 01 CF004 9LB P004 91 LF001 9L2 1363 13 LF002,003 9L2 1363 14 LP.F. LP.F. LP.F. LP.F. JK601 9LE R002 32 AT001 9LE H000 31 TU001 9LH H000 31 Tuner pack   AM IF transformer M DET transformer Crystal 7.2MHz Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models SW709  9L2 6396 82R Tact switch (DRA-375)Asia (DRA-275) Except Europe U.K. models SW709  9L2 6396 82R Tact switch (DRA-375)Except Europe U.K. models SW709  9L2 6396 82R Tact switch (DRA-275) Except Europe U.K. models SW710-715 9L2 6396 82R Tact switch  U.K. models Furope and U.K. models  Europe and U.K. models  Except Europe  U.K. models  Europe and U.K. models  Euro	BJ001	9LB H005 31	MW ANT coil					Asia madal
T004 9L2 1370 33 FM DET transformer  XT001 9L2 1701 32 Crystal 7.2MHz  CF001 261 0064 007 Ceramic filter  CF001 261 0135 907 Ceramic filter  CF002 261 0136 906 Ceramic filter  CF002 261 0136 906 Ceramic filter  CF003 9LB P005 01 Ceramic filter  CF004 9LB P004 91 LF001 9L2 1363 13 L.P.F.  LF001 9L2 1363 13 L.P.F.  LF001 9L2 1363 14 J.F.F.  LF002 32 AT001 9LE R002 32 AT001 9LE W000 11 Tuner pack  Except Europe and U.K. models  Europe an	T003	9LB J002 51	AM IF transfomer		_	1	· ·	ASIB MODEL
CF001 261 0064 007 Ceramic filter Ceramic filter Ceramic filter SW708 9L2 6396 82R Tact switch (DRA-375)Asia (DRA-275) Except Europe and U.K. models U.K. models Europe and U.K. models U.K. models Europe and U.K. models U.K. models U.K. models Europe and U.K. models U.K. mo	T004	9L2 1370 33	FM DET transfomer		ZE 341302	212 1103 004	LOMei RMICH I A-O	
CF001 261 0064 007 Ceramic filter	XT001	9L2 1701 32	Crystal 7.2MHz		CW701 707	01.0.000.000	To at auditab	
CF001	CF001	261 0064 007	Ceramic filter	Europe and U.K. models				(DDA 075) Ania madal
CF002         261 0064 007         Ceramic filter         Europe and U.K. models           CF002         261 0136 906         Ceramic filter         Except Europe and U.K. models           CF003         9LB P005 01         Ceramic filter         Ceramic filter           CF004         9LB P004 91         Ceramic filter         Europe and U.K. models           LF001         9L2 1363 13         L.P.F.         Europe and U.K. models           LF002,003         9L2 1363 14         L.P.F.         Europe and U.K. models           JK601         9LE R002 32         4P US pin jack         Europe and U.K. models           AT001         9LE U000 11         ANT terminal board         Tuner pack         Except Europe and U.K. models           TU001         9LH H000 31         Tuner pack         Except Europe and U.K. models           Furope and U.K. models         Furope and U.K. models           Furope and U.K. models         Furope and U.K. models	CF001	261 0135 907	Ceramic filter	Except Europe and	SW/08	9L2 6396 82H	l act switch	· ·
CF002				U.K. models				, ,
CF002         261 0136 906         Ceramic filter         Except Europe and U.K. models         SW709         9L2 6396 82R         Tact switch         (DRA-375)         Except Asia mo (DRA-275)         Except Asia mo (DRA-275)         Except Asia mo (DRA-275)         Europe and U.K. models         SW710-715         9L2 6396 82R         Tact switch         Tact switch         U.S.A. and Can models         SW710-715         9L2 6396 82R         Tact switch         U.S.A. and Can models         U.S.A. and Can models         Tuner pack         Europe and U.K. models         D.S.A. and Can models         D.S.A. and Can models         Europe and U.K. models         D.S.A. and Can models         D.S.A. and Can models         Europe and U.K. models         D.S.A. and Can models         Europe and U.K. models         D.S.A. and Can models         Europe and U.K. models         D.S.A. and Can models         D.S.A. and Ca	CF002	261 0064 007	Ceramic filter	Europe and U.K. models				•
CF003 9LB P005 01 Ceramic filter CF004 9LB P004 91 LF001 9L2 1363 13 LF.F. LF001 9L2 1363 13 LP.F. LF002,003 9L2 1363 14 JK.F. JK601 9LE R002 32 AP US pin jack AT001 9LE U000 11 Tuner pack  Europe and U.K. models  AP US pin jack ANT terminal board  TU001 9LH H000 31 Tuner pack  Except Europe and U.K. models  Fuse 5A, 125V  U.S.A. and Canadas  Europe and U.K. models  Fuse 72A, 250V  U.S.A. and Canadas  Except Europe and U.K. models	CF002	261 0136 906	Ceramic filter	Except Europe and	CW700	01 0 0000 000	To at auditab	
CF003 9LB P005 01 Ceramic filter  CF004 9LB P004 91 Ceramic filter  LF001 9L2 1363 13 L.P.F.  LF002,003 9L2 1363 14 L.P.F.  JK601 9LE R002 32 4P US pin jack  AT001 9LE U000 11 Tuner pack  TU001 9LH H000 31 Tuner pack  Europe and U.K. models  Europe and U.K. models  Europe and U.K. models  Europe and U.K. models  Except Europe and U.K. models  Except Europe and U.K. models  U.K. models  Figure and U.K. models				U.K. models	SW/09	9L2 6396 82H	l act switch	,
LF001 9L2 1363 13 L.P.F.	CF003	9LB P005 01	Ceramic filter					· ·
LF001 9L2 1363 13 L.P.F.	CF004	9LB P004 91	Ceramic filter					, ,
LF002,003 9L2 1363 14 L.P.F.	LF001	9L2 1363 13	L.P.F.	Europe and U.K. models	QW710 715	01.3 6306 000	Tast quitab	curope and U.K. models
AT001 9LE U000 11 ANT terminal board  TU001 9LH H000 31 Tuner pack  Except Europe and U.K. models  TU001 9L 4286 51 Tuner pack  Except Europe and U.K. models  Fuse T2A, 250V  Europe and U.K. models  Fuse 4A, 125V  U.S.A. and Canada  ### ### ### ### ###################	LF002,003	9L2 1363 14	L.P.F.	Europe and U.K. models	3VV/10-/15	3LZ 0390 82H	ract Switch	
AT001 9LE U000 11 ANT terminal board  TU001 9LH H000 31 Tuner pack  Except Europe and U.K. models  U.K. models  TU001 9L 2 4286 51 Tuner pack  Except Europe and U.K. models  Figure and U.K. models  Figure and U.K. models	JK601	9LE R002 32	4P US pin jack		A Esos	01 2 7004 40	Funn EA 1051/	HCA and Canada
TU001 9LH H000 31 Tuner pack Except Europe and U.K. models  TU001 9L 24286 51 Tuner pack Except Europe and U.K. models  Figure and U.K. models  Figure and U.K. models  Figure and U.K. models  Figure and U.K. models	AT001	9LE U000 11	ANT terminal board		Z13 F 30 I	SLC /224 18	FU88 3A, 123V	
TU001 9I 2 4286 51 Tuner pack U.K. models	TU001	9LH H000 31	Tuner pack	Except Europe and	A SEC	010701010	Euro TOA OSON	
TU001   91 2 4286 51   Tuner nack   Furone and UK models				U.K. models				
91.2 /216 12   Fuse 11.6A, 250V   Europe model	TU001	9L2 4286 51	Tuner pack	Europe and U.K. models				
· · · · · · · · · · · · · · · · · · ·					ETZ LOOS	DLC /210 12	FURE 11:0A, 200V	curope moder

			Г
Ref. No.	Part No.	Part Name	Remarks
E501,502	9L2 7292 52R	Fuse holder	
E503,504	9L2 7292 52R	Fuse holder	Asia model
FL701	9LD D000 41	FL tube	
N701	9LN J017 11	FL holder	
CH701A	9LE D008 21	24P FFC cable holder	(DRA-375)Asia mode
CH701A	9LE D008 21	24P FFC cable holder	(DRA-275)
			Except Europe and
			U.K. models
CH701A	9LE D008 25	28P FFC cable holder	(DRA-375)
			Except Asia model
CH701A	9LE D008 25	28P FFC cable holder	(DRA-275)
			Europe and U.K. models
W701	9LE K001 56	24P flat cable	(DRA-375) Asia mode
			(DRA-275)
			Except Europe and
			U.K. models
W701	9LE K001 57	28P flat cable	(DRA-375)
			Except Asia model
			(DRA-275)
			Europe and U.K. models
JK501	9LE P000 91	AC outlet	Europe and Asia models
JK501	9LE Y004 91	AC outlet	U.S.A. and Canada model
ΔAL501	9L2 6405 76	Relay	(DRA-375R)
			Except U.K. model
XL701	399 9018 003	Crystal 4.0MHz	
			· 
1			
L			



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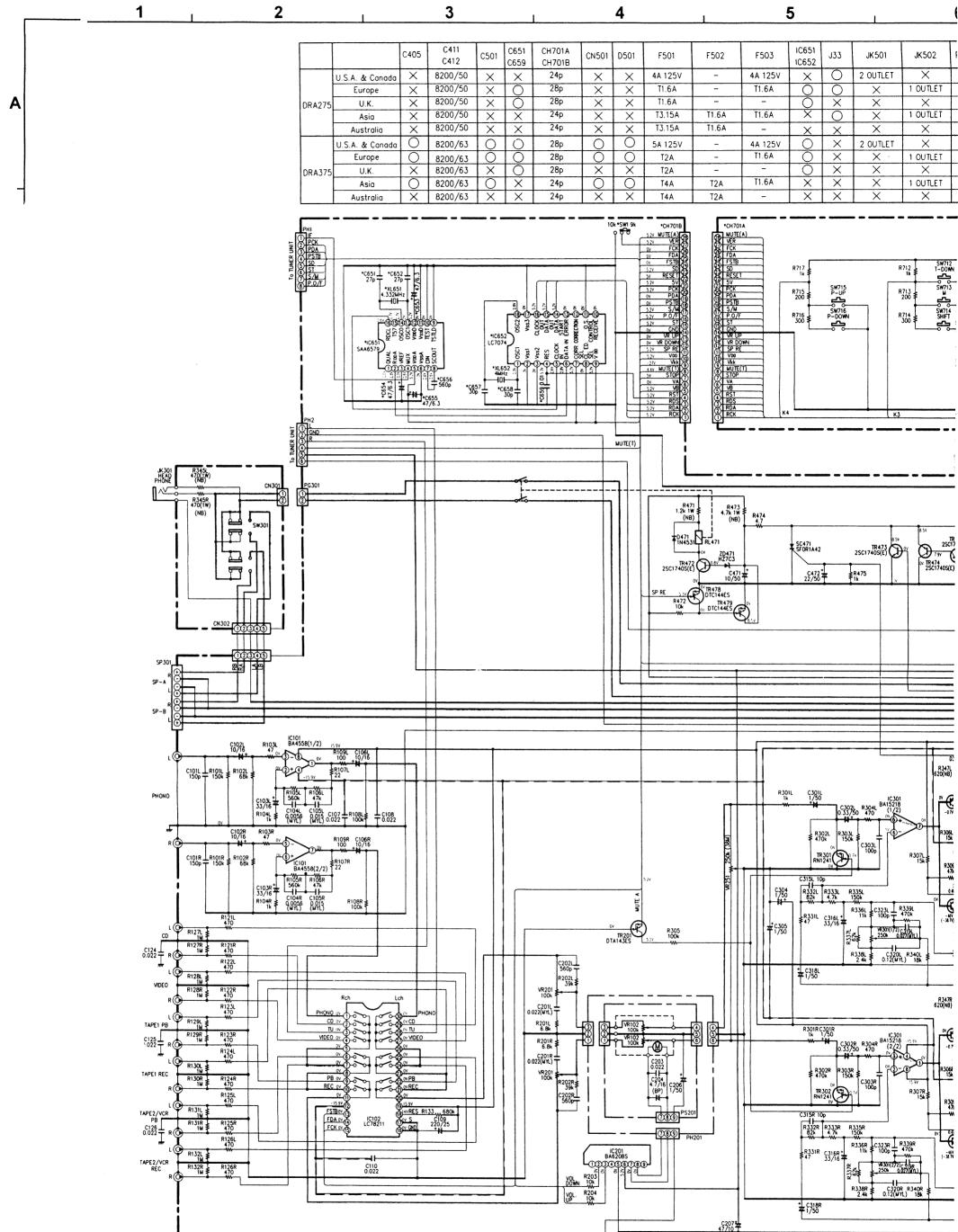
# PARTS LIST OF EXPLODED VIEW

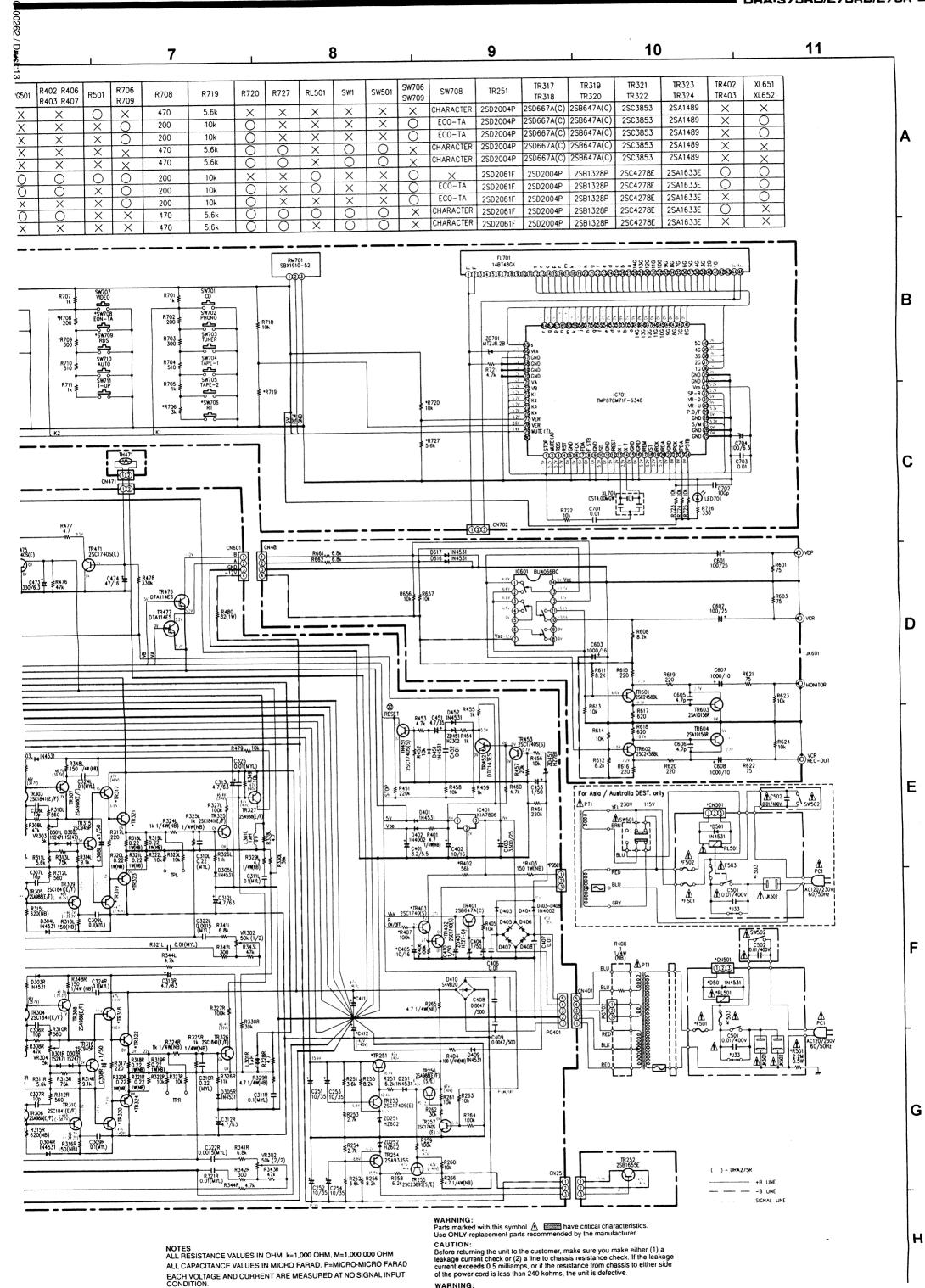
Ref.	No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
	1	9LJ T056 41	Main unit Ass'y	(DRA-375)U.S.A. and	1	14	9L2 4286 51	Tuner pack	Europe and U.K. models	1
	'	320 1000 11	man am rooy	Canada models						
		9LJ T056 42	Main unit Ass'y	(DRA-375)Europe model	1	<b>△</b> 21	9LB T005 61	Power transformer	(DRA-375)U.S.A. and	1
		9LJ T056 43	Main unit Ass'y	(DRA-375)U.K. model	1				Canada models	
		9LJ T056 46	Main unit Ass'y	(DRA-375)Asia model	1	Δ	9LB T005 62	Power transformer	(DRA-375)Europe and	1
		9LJ T056 71	Main unit Ass'y	(DRA-275)U.S.A. and	1				U.K. models	
				Canada models		Δ	9LB T005 63	Power transformer	(DRA-375)Asia model	-1
		9LJ T056 72	Main unit Ass'y	(DRA-275)Europe model	1	Δ	9LB T005 71	Power transformer	(DRA-275)U.S.A. and	1
		9LJ T056 73	Main unit Ass'y	(DRA-275)U.K. model	1				Canada models	١.
		9LJ T056 76	Main unit Ass'y	(DRA-275)Asia model	1	Δ	9LB T005 72	Power transformer	(DRA-275)Europe and U.K. models	1
				(224 225)110 4		Δ	9LB T005 73	Power transformer	(DRA-275)Asia model	1
1	2	9LJ T056 51	Display unit Ass'y	(DRA-375)U.S.A. and	1	21.	SED 100373	I OHEL BEISIDATE	(DI III EI Officia Hands	'
1		01 1 TOES 50	Dicolou unit Acc'u	Canada models	1	22	9LM 8001 12	Heat sink	(DRA-375)	1
		9LJ T056 52 9LJ T056 53	Display unit Ass'y Display unit Ass'y	(DRA-375)Europe model (DRA-375)U.K. model	1		9LM 8001 11	Heat sink	(DRA-275)	1
		9LJ T056 56	Display unit Ass'y	(DRA-375)Asia model		23	9LM A007 81	Heat sink bracket		1
l		9LJ T056 81	Display unit Ass'y	(DRA-275)U.S.A. and		24	9LM F001 71	Insulation sheet		4
1		323 1030 01	Display unit 7.55 y	Canada models		25	9LE U003 81	Front SP terminal		1
		9LJ T056 82	Display unit Ass'y	(DRA-275)Europe model	1	26	9LE R003 51	4P US pin jack		2
1		9LJ T056 83	Display unit Ass'y	(DRA-275)U.K. model	1	27	9LE R003 41	6P US pin jack		1
1		9LJ T056 86	Display unit Ass'y	(DRA-275)Asia model	1	28	9LA L004 72	Electrolytic		2
							_	8200μF/63V		
	3	9LJ T056 61	Tuner unit Ass'y	(DRA-375)U.S.A. and	1	29	9L2 6413 21	Relay (24V)		1
				Canada models		30	9LA Y001 85	Variable 100kohm	BASS	1
		9LJ T056 62	Tuner unit Ass'y	(DRA-375)Europe model	1	31	9LA Y001 86	Variable 50kohm	TREBLE	1
		9LJ T056 63	Tuner unit Ass'y	(DRA-375)U.K. model	1	32	9LA Y001 87	Variable 250kohm	BAL	1
		9LJ T056 66	Tuner unit Ass'y	(DRA-375)Asia model	1	33	9LA Y001 84	Variable 100kohm	LOUD	1
		9LJ T056 91	Tuner unit Ass'y	(DRA-275)U.S.A. and	1	34	9LM L002 51	Mini PWB post	VO.	3
1				Canada models		35 36	9L0 1579 02 9LM L002 61	Variable 100kohm	VOL	1 2
1		9LJ T056 92	Tuner unit Ass'y	(DRA-275)Europe model	1	36	9LM L002 61	PWB support L Bottom chassis		1
		9LJ T056 93	Tuner unit Ass'y	(DRA-275)U.K. model	1	38	104 0282 007	ł.		4
		9LJ T056 96	Tuner unit Ass'y	(DRA-275)Asia model	1	30	104 0202 007	1.000		
	5	9L2 7131 48	AC cord	U.S.A. and Canada models		41	9LQ A004 91	Top cover	-	1
Δ	3	9L2 9725 67	AC cord	Except U.S.A. and	1 ; [	42	9LH N000 31	Receiving unit	(SBX1910-52)	1
4.53		OCE 0120 01	710 0010	Canada models		43	9LD D000 41	FL tube		1
Δ	6	9LM L000 61	AC cord bushing	Except U.S.A. and	1	44	9LE K001 56	24P flat cable	(DRA-375)Asia model	1
	~		•	Canada models				-	(DRA-275)Except Europe	-
Δ		9L3 8722 71	AC cord bushing	U.S.A. and Canada models	1				and U.K. models	
	7	9LQ A005 11	Rear plate	(DRA-375)U.S.A. and	1		9LE K001 57	28P flat cable	(DRA-375)	1
				Canada models					Except Asia model	
		9LQ A005 12	Rear plate	(DRA-375)Europe model					(DRA-275)Europe and	
		9LQ A005 13	Rear plate	(DRA-375)U.K. model	1	A	040 4400 000	n	U.K. models	١.
l		9LQ A005 14	Rear plate	(DRA-375)Asia model	1	<b>△ 45</b>		Power switch TV-5		1
l		9LQ A005 21	Rear plate	(DRA-275)U.S.A. and	1	46	9LE Y005 01	Headphone jack		1
l				Canada models		47 48	9LF E001 81 9LP C017 91	Speaker switch SP button		2
1		9LQ A005 22	Rear plate	(DRA-275)Europe model	1 1	48	9LP C017 91	Tuner button (10)	(DRA-375)	1
l		9LQ A005 23	Rear plate	(DRA-275)U.K. model	1 1	73	JE: 001/01	. siloi bullori (10)	Except Asia model	'
i		9LQ A005 24	•	(DRA-275)Asia model					(DRA-275)Europe and	1
1	8	9LN X016 21	Phono earth terminal		1				U.K. models	
1	10	9LE P000 91	AC outlet	Europe and Asia models	1		9LP C017 62	Tuner button (8)	(DRA-375)Asia model	1
l	10	9LE Y004 91	AC outlet	U.S.A. and Canada models				, ,	(DRA-275)Except Europe	1
Δ	11	9L2 6405 76	Relay	(DRA-375R)	i				and U.K. models	
			<del>,</del>	Except U.K. model		50	9LP C017 51	Function button		1
	12	9LE R002 32	4P US pin jack		1	51	9LP H035 62	Clear panel		1
ł	13	9LE U000 11	ANT terminal board		1	52	9LP C017 81	Power button		1
ŀ	14	9LH H000 31	Tuner pack	Except Europe and	1	53	9LP C017 41	Bass knob		4
1				U.K. models		54	9LP C017 31	Vol knob	'	1 1

Re	f. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
	55	9LP H035 53	Innerpanel	(DRA-375)U.S.A. and	1		9L3 6296 35	Poly sack	U.K. model	1
				Canada models			9L3 6296 36	Poly sack	Except U.K. model	1
		9LP H035 54	Innerpanel	Europe and U.K. models	1					
		9LP H035 55	Innerpanel	Asia model	1					
		9LP H035 56	Innerpanel	(DRA-275)U.S.A. and	1					:
				Canada models		l l				
	56	9LP H035 44	Front panel	(DRA-375)U.S.A. and	1					
				Canada models		1				
		9LP H035 45	Front panel	(DRA-375)Europe and	1	İ				
				U.K. models		1				
		9LP H035 46		(DRA-375)Asia model	1					
		9LP H035 47	Front panel	(DRA-275)U.S.A. and	1					
				Canada models						
		9LP H035 48	Front panel	(DRA-275)Europe and	1					
				U.K. models						
		9LP H035 49	Front panel	(DRA-275)Asia model	1					
		el = Dago an	50-1-	1136	1					
Ľ	760	9LE P000 62	Matter Control	U.K. model						
	61	9LN J017 91	Button holder	(DRA-375)U.S.A. and	1					
				Canada models						
	101	475 6138 002	Nut MOVO 75		5					
	102	475 6124 003	1 '		1					
	102	i	Screw 3x6 DT		4					
	103	i	Screw 3x6 DT BIND B		9					
			Screw 4x6 DT BIND B		8					
	105	9L8 6796 06	ŀ	(DDA 275)   C A and	1					
	106	9L8 6913 08	SCIEW 2.0X0 DT DIND	(DRA-375)U.S.A. and Canada models						
	107	01.0 6014.10	Screw 3x10 BH BT	Cariada models	28					
	107	9L8 6914 10	1	Asia model	20					
	108	9L8 6993 08	Screw 2.6x8 BT BIND B	Asia model	27					
	109	9L8 6994 10	Screw 3x10 BH BT BBC		21					
					$\Box$					
P	ACKIN	G & ACCES								
		9LE F021 31	FM ANT connector		1					
		9L2 7593 41	AM loop ANT		1					
		9LE Y002 81	Edison pulg adapter	Asia model	1					
		9LH 0066 01	Remote controller		1					
			Instruction manual	U.S.A. and Canada models	1					
			Instruction manual	Europe model	1					
		1	Instruction manual	U.K. model	1					
		9LQ R066 44	Instruction manual	Asia model	1					
		01.0.0.00	Datasasi	F						
		9L3 6402 13W	- 1	Europe model	1					
		9L3 6402 14W	Poly sack	Except Europe model	1					
		9LS G047 21	Carton box E3	(DAR-375)U.S.A. and	1	l i				
				Canada models						
		9LS G047 22	Carton box E2/EK	(DRA-375)Europe and	1					
				U.K. models						
		91 S G047 23 1	Carton box E1	(DRA-375)Asia model	1					
				IDAD OZENIĆAJ	1					
			Carton box E3	(DAR-275)U.S.A. and						
		9LS G047 31		Canada models						
		9LS G047 31	Carton box E3 Carton box E2/EK	Canada models (DRA-275)Europe and	1					
		9LS G047 31		Canada models (DRA-275)Europe and U.K. models	1					
		9LS G047 31 9LS G047 32		Canada models (DRA-275)Europe and	1					
		9LS G047 31 9LS G047 32 9LS G047 33	Carton box E2/EK Carton box E1	Canada models (DRA-275)Europe and U.K. models	1					
	- 1	9LS G047 31 9LS G047 32 9LS G047 33 9LS P029 51	Carton box E2/EK	Canada models (DRA-275)Europe and U.K. models						

SCI

SCHEMATIC DIAGRAM (1/2)





CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:
DO NOT return the unit to the customer until the problem is located and

